



**Cessna**  
A Textron Company

## ENGINE MAINTENANCE RECORD

AIRCRAFT SERIAL AND REGISTRATION T18208306

N621D  
D65316

ENGINE MODEL AND SERIAL TIO-540-AK1A

L-111663-61A



## 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		
2004				
07/28				

718 208 506

### NEW RECIPROCATING ENGINE CERTIFICATE

This is to certify that the engine as described hereinafter has been manufactured run-in and tested as prescribed by **LYCOMING** 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.

**TIO-540-AK1A**

**L-11663-61A**

MODEL \_\_\_\_\_

SERIAL NO. \_\_\_\_\_

DATE \_\_\_\_\_

7-18-04

*Gregory Stewart*  
(AUTHORIZED REPRESENTATIVE)


**LYCOMING**  
A Textron Company

**LYCOMING ENGINES**  
652 Oliver Street  
Williamsport, PA 17701 U.S.A.

Form No. 777-B (Rev. 3/03)



# MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
2004				
09/25	5	8	Engine model TIO-540-AK1A, S/N <u>L-11663-61A</u> has been installed on aircraft # <u>T18208306</u> . This engine serviced with Phillips X/C 20W50 Engine oil.	 ODARF100129CE
<p>CHANDLER AIR SERVICE 1675 E. RYAN RD. CHANDLER, AZ., 85249</p> <p>N65316      MODEL: TIO-540-AK1A      SN: L-11663-61A 29 DEC 04      TACH: 24.6      TSNEW: 24.6      ENGINE TT: 24.6</p> <p>DRAINED OIL, REMOVED AND INSPECTED FILTER &amp; OIL SUMP SCREEN. INSTALLED FILTER CH48110-1, SCREEN ASSEMBLY, AND CCB37000 QUICK DRAIN OIL VALVE. SERVICED WITH 9 QTS AEROSHELL SEMI-SYNTHETIC 15/50W OIL. LEAK CHECK COMPLETED, RETURNED TO SERVICE.</p> <p><i>Ricky Will</i> RICKY WILL, A&amp;P471822687</p>				

# MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
			CHANDLER AIR SERVICE 1675 E. RYAN RD. CHANDLER, AZ., 85249	
N65316 2 FEB 05	MODEL: TIO-540-AK1A TACH: 50.5	SN: L-11663-61A TSNEW: 50.5	ENGINE TT: 50.5	
<p>DRAINED OIL, REMOVED AND INSPECTED FILTER. INSTALLED FILTER CH48110-1, SERVICED WITH 9 QTS AEROSHELL SEMI-SYNTHETIC 15/50W OIL. LEAK CHECK COMPLETED, RETURNED TO SERVICE.</p> <p><i>Ricky Will</i> RICKY WILL, A&amp;P 471822687</p>				
<p>N65316, T18208306, Engine entry. 8 Apr 2005, Tach 100.9, Hobbs 115.6 Drained oil and serviced w/ 9 quarts Aeroshell 15W50 oil. Removed oil filter and cut open for engine wear checks, no metal noted. Installed new CH48110-1 filter. Performed AD 02-26-01 on Lycoming fuel lines and clamps by visual inspection per AD instructions, all checks good. Next Inspection due 200.9 hours. Ran engine for leak and ops checks, all checks good. All maint IAW Lycoming and Cessna maint manual.</p> <p><i>Kevin Patrick</i> Kevin Patrick, A&amp;P, 2612215</p>				



# MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		

CHANDLER AIR SERVICE  
1675 E. RYAN RD.  
CHANDLER, AZ., 85249

N65316 MODEL: CT182T SN: T18208306  
LYCOMING MODEL: TIO-540-AK1A TSNEW: 149.7 ENGINE TT: 149.7  
31 AUG 05 TACH: 149.7

DRAINED OIL, REMOVED AND INSPECTED FILTER. INSTALLED FILTER CH48110-1, SERVICED WITH 9 QTS AEROSHELL SEMI-SYNTHETIC 15/50W OIL. LEAK CHECK COMPLETED, RETURNED TO SERVICE.

*Ricky Will*  
RICKY WILL, A&P 3028383

N65316, T18208306, Engine entry.  
14 Apr 2005, Tach 100.9, Hobbs 115.6 Addendum  
**Performed AD 02-26-01** on Lycoming fuel lines and clamps by visual inspection per AD instructions, all checks good. **Next Inspection due at next annual inspection or when maintenance has been done on the engine where any clamp (or clamps) on a fuel injector line (or lines) has been disconnected, moved, or loosened.** This inspection is not due on an hourly basis at this time per AD text per paragraph c. (note this entry supercedes the AD entry made by me dated 8 Apr 2005)

*Kevin Patrick*  
Kevin Patrick, A&P, 2612215

CHANDLER AIR SERVICE  
1675 E. RYAN RD.  
CHANDLER, AZ., 85249

N65316 8 OCT 05 TACH: 185.3  
LYCOMING MODEL: TIO-540-AK1A SN: L-11663-61A ETSNEW: 185.3 ETT: 185.3  
McCAULEY MODEL: B3D36C442/80VSB-1 SN: 041565 BLADE SN: PROPTSNEW: 185.3 PROPTT: 185.3  
YF26129, YF26131, YF 26280

1. COMPRESSION CHECK 1-78/80 2-77/80 3-77/80 4-77/80 5-78/80 6-78/80
2. REMOVED PLUGS, CLEANED, CHECKED GAP, TESTED, AND INSTALLED PLUGS WITH NEW GASKETS, PN MS17840-1
3. AD 2002-26-01, FUEL INJECTOR LINES, COMPLIED WITH BY VISUAL INSPECTION
4. OPERATIONAL AND LEAK CHECKS COMPLETED AS REQUIRED.
5. ADS THROUGH BI WEEKLY 2005-19 CHECKED & COMPLETED AS REQUIRED.

I CERTIFY THIS ENGINE & PROPELLER HAVE BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION PER FAR PART 43, APPENDIX D, APPROPRIATE MANUFACTURERS MAINTENANCE MANUAL, AND CHANDLER AIR SERVICE ANNUAL / 100 HOUR INSPECTION CHECKLIST. THE ABOVE MAINTENANCE ITEMS HAVE BEEN COMPLETED AND THE ENGINE & PROPELLER ARE DETERMINED TO BE IN AN AIRWORTHY CONDITION AT THIS TIME.

*Ricky Will*  
RICKY WILL, A&P 3028383 IA

CHANDLER AIR SERVICE  
1675 E. RYAN RD.  
CHANDLER, AZ., 85249

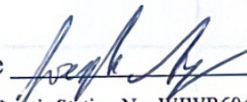
N65316 MODEL: CT182T SN: T18208306  
LYCOMING MODEL: TIO-540-AK1A SN: L-11663-61A TSNEW: 199.8 ENGINE TT: 199.8  
3 NOV 05 TACH: 199.8

DRAINED OIL, REMOVED AND INSPECTED FILTER. INSTALLED FILTER AA48110, SERVICED WITH 8 QTS AEROSHELL SEMI-SYNTHETIC 15/50W OIL. LEAK CHECK COMPLETED, RETURNED TO SERVICE.

*Ricky Will*  
RICKY WILL, A&P 3028383


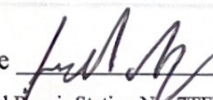


# MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER				
	HOURS	10THS						
			<p>Reg.No. N65316 <b>ENGINE</b> Date 1/11/06</p> <p>Drained oil, removed and inspected oil filter. Installed a new CH48110-1 oil filter torqued and safetied. Serviced the engine with 9 qts. Aeroshell 15w50 oil. Engine run-up and leak checks good. Other details of this inspection are on file at this facility under work order no. 08630.</p> <p><b>WESTWIND</b> Westwind Aviation, Inc.</p> <p>Authorized Signature  FAA Approved Repair Station No. WIWR604K</p>	<table border="1"> <tr> <td>TTAF</td> <td>259.4</td> </tr> <tr> <td>Tach</td> <td>259.4</td> </tr> </table>	TTAF	259.4	Tach	259.4
TTAF	259.4							
Tach	259.4							

CHANDLER AIR SERVICE 1675 E. RYAN RD. CHANDLER, AZ., 85249				
N65316	MODEL: CT182T	SN: T18208306	TSNEW: 312.0	ENGINE TT: 312.0
LYCOMING	MODEL: TIO-540-AK1A	SN: L-11663-61A		
7 APR 06	TACH: 312.0			
DRAINED OIL, REMOVED AND INSPECTED FILTER. INSTALLED FILTER AA48110, SERVICED WITH 8 QTS AEROSHELL SEMI-SYNTHETIC 15/50W OIL. LEAK CHECK COMPLETED, RETURNED TO SERVICE.				
 CARLY J. ANDERSON A&P 3116280				

# MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER								
	HOURS	10THS										
			<p>Reg.No. 63516 <b>ENGINE</b> Date 9/15/06</p> <p>Drained oil, removed and inspected oil filter. Installed a new CH48110 oil filter torqued and safetied. Serviced the engine with 8qts. Aeroshell 15W50 oil. Engine run-up and leak checks good. Other details of this inspection are on file at this facility under work order no. 06-4527.</p> <p> Atlantic Aviation</p> <p>Authorized Signature  FAA Approved Repair Station No. 7TFR567</p>	<table border="1"> <tr> <td>TTAF</td> <td>365.4</td> </tr> <tr> <td>Tach</td> <td>365.4</td> </tr> <tr> <td>TSMOH</td> <td>N/A</td> </tr> <tr> <td>TSN</td> <td>365.4</td> </tr> </table>	TTAF	365.4	Tach	365.4	TSMOH	N/A	TSN	365.4
TTAF	365.4											
Tach	365.4											
TSMOH	N/A											
TSN	365.4											



# MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		

Reg. No.: N65316

## ENGINE

Date 11/9/06

I certify that this engine has been inspected in accordance with a Annual inspection per FAR Part 43 Appendix D and Atlantic Aviation annual inspection form AA003 and determined to be in an **AIRWORTHY** condition at this time. Other details of this inspection are on file at this facility under work order no. 06-4985. For AD compliance, see AD listing.

Compressions: #1) 76/80 #2) 77/80 #3) 75/80 #4) 77/80 #5) 78/80 #6) 78/80

AFTT	386.1
Tach	386.1
TSN	386.1
TSO	N/A

Replaced both magneto gaskets, p/n LW12681 and time magnetos to engine IAW Lycoming service manual. Drained oil, removed and inspected oil filter. Installed a new CH48110 oil filter torqued and safetied. Serviced the engine with 9 qts. Aeroshell 15W-50 oil. Engine run-up and leak checks good.



Atlantic Aviation

Authorized Signature

FAA Approved Repair Station No. 7TFR567Y

# MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		

Reg. No.: N65316

## AIRFRAME

Date: 11/15/06

Installed new fuel quantity placards, p/n S4004-2 at wing filler ports. Installed new #4 CHT probe, p/n 32DKWUE006F0126 IAW Cessna T182T maintenance manual. Operational checks good.

Pertinent details of this repair are on file under work order 06-5040

AFTT	
Tach	390.8



Atlantic Aviation

Authorized Signature

FAA Approved Repair Station No. 7TFR567Y

CHANDLER AIR SERVICE  
1675 E. RYAN RD.  
CHANDLER, AZ 85249

N65316 MODEL: CT182T SN: T18208306 LYCOMING MODEL: TIO-540-AK1A SN: L-11663-61A 16 MAY 07 TACH: 434.6  
DRAINED OIL, REMOVED AND INSPECTED FILTER. INSTALLED FILTER AA48110, SERVICED WITH 8 QTS AEROSHELL SEMI-SYNTHETIC 15/50W OIL. AD 2002-26-01 COMPLIED WITH BY VISUAL INSPECTION PER LYCOMING MSB 342E.  
MAINTENANCE & LEAK CHECK COMPLETED PER T182 & LYCOMING SERVICE MANUALS. AIRCRAFT RETURNED TO SERVICE.

BRIDGET A. GOMEZ, A&P 2780202

RICKY WILL, A&P 3028383



# MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		

Reg. No.: N65316

## ENGINE

Date 12/6/07

I certify that this engine has been inspected in accordance with a Annual inspection per FAR Part 43 Appendix D and Atlantic Aviation annual inspection form AA003 and determined to be in an **AIRWORTHY** condition at this time. Other details of this inspection are on file at this facility under work order no. 07-7480. For AD compliance, see AD listing.

Compressions: #1) 78/80 #2) 78/80 #3) 75/80 #4) 77/80 #5) 78/80 #6) 78/80

AFTT	453.8
Tach	453.8
TSN	453.8
TSO	N/A

**CW AD 02-26-01** (1/31/03) Fuel injection lines and clamps per MSB342D. Next due Annual/100 Hr inspection or whenever a fuel injection line or clamp is replaced, loosened, or moved.  
Drained oil, removed and inspected oil filter. Installed a new CH48110 oil filter torqued and safetied. Serviced the engine with 9 qts. Aeroshell 15W50 oil.



Atlantic Aviation

Authorized Signature

FAA Approved Repair Station No. 7TFR567Y

# MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		

CHANDLER AIR SERVICE  
1675 E. RYAN RD.  
CHANDLER, AZ 85249

N65316 MODEL: CT182T SN: T18208306 LYCOMING MODEL: TIO-540-AK1A SN: L-11663-61A 15 APR 08 TACH: 484.4

DRAINED OIL, REMOVED AND INSPECTED FILTER. INSTALLED FILTER AA48110, SERVICED WITH 9 QTS AEROSHELL SEMI-SYNTHETIC 15/50W OIL. **AD 2002-26-01 COMPLIED WITH BY VISUAL INSPECTION PER LYCOMING MSB 342E.**

**AD 2008-06-51 NOT APPLICABLE TO FUEL SERVO INSTALLATION DATE AND HAS NOT BEEN REPAIRED AFTER SUBJECT DATE.**

**AIRBORNE SERVICE LETTER 72 NOT APPLICABLE TO INSTALLED TEMPEST MODEL AA3215CC VACUUM PUMP.**

MAINTENANCE & LEAK CHECK COMPLETED PER T182 & LYCOMING SERVICE MANUALS. AIRCRAFT RETURNED TO SERVICE.

RICKY WILL, A&P 3028383



# MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		

Reg. No.: N65316

## ENGINE

Date 1/29/09

I certify that this engine has been inspected in accordance with a Annual inspection per FAR Part 43 Appendix D and Pro-Air Aviation annual inspection form P-AA003 and determined to be in an **AIRWORTHY** condition at this time. Other details of this inspection are on file at this facility under work order no. 09-10265. For AD compliance, see AD listing.  
Compressions: #1) 77/80 #2) 74/80 #3) 77/80 #4) 76/80 #5) 72/80 #6) 76/80

AFTT	510.7
Tach	510.7
TSN	510.7
TSO	N/A

**C/W AD 08-14-07** (8/14/08) External fuel injection lines IAW MSB 342E. No defects noted. Next due at 610.7 or anytime maintenance is performed on system.  
Drained oil, removed and inspected oil filter. Installed a new CH48110 oil filter torqued and safetied. Serviced the engine with 9 qts. Aeroshell 15W-50 oil.

**ProAir**  
AVIATION MAINTENANCE

Authorized Signature

FAA Approved Repair Station No. 7TFR567Y

# MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		

Reg. No.: N65316

## ENGINE

Date 6/1/2010

I certify that this engine has been inspected in accordance with a Annual inspection per FAR Part 43 Appendix D and Pro-Air Aviation Annual inspection form P-AA003 and determined to be in an **AIRWORTHY** condition at this time. Other details of this inspection are on file at this facility under work order no. 10-0692. For AD compliance, see AD listing.  
Compressions: #1) 78/80 #2) 78/80 #3) 78/80 #4) 78/80 #5) 79/80 #6) 79/80

AFTT	531.5
TACH	531.5
TSN	531.5
TSO	NA

Drained oil, removed and inspected oil filter. Installed new Pt# CH48110 oil filter, torqued and saftied. Serviced the engine with 9 qts. Aeroshell 15W50 oil.  
**C/W AD 08-14-07** (8/14/08) External Fuel Line Inspection IAW MSB342E. Next due at 631.5 or whenever maintenance is performed on the system.

**ProAir**  
AVIATION MAINTENANCE LLC.

Authorized Cessna single engine and  
Caravan repair facility.  
732 W. Deer Valley Rd. Phoenix AZ.  
(623) 869 0866

Authorized Signature

FAA Approved Repair Station No. 7TFR567Y



# MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		

*Handwritten:* [Signature] ZH. 3130835

# MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		

*Handwritten:* VOID [Signature] F.A. 3130835



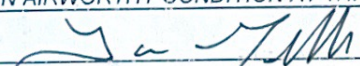
# MAINTENANCE RECORD

DATE	Date: 3/11/2011	<b>Executive Aircraft Maintenance</b> 6841 N. Glen Harbor Blvd Glendale, AZ 85309 623-414-4930	TACH: 554.3	NATURE, TYPE R
	Registration: N65316			
	Type: cessna 182T			
<b>(AIRCRAFT LOG)</b> Performed 500 hr mag inspection replaced dist block, gear sets, and contact points. Timed mags to engine. Replaced # 2 egt probe. Eng run performed with no leaks noted. Oxygen bottle certed due 03/2014				
SIGNATURE: 		FAA AUTHORIZATION: 3130835 AP/I.A.		

DATE	Date: 3/11/2011	<b>Executive Aircraft Maintenance</b> 6841 N. Glen Harbor Blvd Glendale, AZ 85309 623-414-4930	TACH: 554.3
	Registration: N65316		
	Type: cessna 182T		
<b>(AIRCRAFT LOG)</b> CHANGED ENG OIL AND FILTER SERVICED WITH A/S 15-50 9QTS INSTALLED CH 48110-1. ENG RUN UP COMPLETED WITH NO LEAKS NOTED.			
SIGNATURE: 		FAA AUTHORIZATION: 3130835 AP/I.A.	

# MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		

Date: 07/25/2011 Model: TIO-540-AKIA S/N: L-24108-48A	<b>Glendale Aero Services</b> 6841 N. Glen Harbor Blvd Glendale, AZ 85307 623-877-3333	Tach: 567.7
		Hobbs:
		TSMOH: 567.7
<b>(ENGINE LOG)</b> Complied with 100 hr / Annual Inspection on Engine IAW Glendale Aero Services Annual/100 hr. Checklist & FAR 43 Appendix D Complied with and checked all AD'S to this date. IA approach rev 2011-15 See updated AD sheet. Complied with AD 08-14-07 by inspection IAW 342E and para J fuel injector lines Completed cyl compression test #1}77/80 #2} 76/80 # 3} 77/80 #4} 77/80 # 5} 77/80 #6} 78/80 Removed oil filter and cut open, inspected for metal, none found at this time. I nstalled new CH48103-1 oil filter Preformend engine run after inspection, Engine leak and performance checked good. All work preformed IAW Manufactures maintenance manuals I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN 100 hr/ ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION AT THIS TIME.		
SIGNATURE: Tom Miller 		FAA AUTHORIZATION: 3134002A&P IA



# MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
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N65316

Date 10-05-11

Tach 603.3

1- Changed oil and oil filter, Serviced with 15W50 Aero Shell. Cut filter and inspected no contaminates noted.

2- Ran Aircraft ops check ok. Leak check ok.

Kevin Pattengale A&P 3132791

*Kevin Pattengale*

KAM / Fargo Aircraft Maintenance Inc.

## Engine Log Book Entry

Date: 12/27/2011 Engine Time: Tach 627.6 727.4 Hobbs

Installed P/N TAS 100-07-104 BT preheat system S/N: 45770

in accordance with Tanis instructions TN0133 Rev. 10-25-20

Installer Name: Kevin Pattengale Cert. #: 3132791

TL00001 REV A

N621D

Date 04/05/2012

Tach 652.3

1- Drained engine oil, cut and inspected oil filter No unusual contaminates found at this time.

Installed new CH48110-1 filter and serviced engine with 8 qts of Aeroshell 15W50 oil.

Run up leak check satisfactory.

*Kevin Pattengale*

Kevin Pattengale A&P 3132791

KAM Fargo Aircraft Maintenance Inc.

N621D

4-10-2012

Hobbs 755.0 Tach 653.7

1- C/W AD2011-26-04 by inspecting fuel injector lines and clamps I.A.W. MSB#342F dated 6-4-2010. Ok for service. Next due (x100) @ tach 753.7.

Peter Reinhardt A&P 3493363

*Peter Reinhardt*

KAM Fargo Aircraft maintenance Inc.

N621D

Date 04/05/2012

Tach 652.3 TTE 652.3

1- Drained engine oil, cut and inspected oil filter, No unusual contaminates found at this time. Installed new CH48110-1 filter and serviced engine with 8 qts of Aeroshell 15W50 oil. Run up leak check satisfactory.

*Kevin Pattengale*

Kevin Pattengale A&P 3132791

KAM Fargo Aircraft Maintenance Inc.



N621D

Date 08/07/2012

Tach 690.7 TTE 690.7

MAINTENANCE RECORD

1- 100 hr inspection C/W IAW Cessna T182T MM and Textron Lycoming TIO 540 series MM.

2- Drained engine oil, cut and inspected oil filter. No unusual contaminants found. Installed new CH48110 filter and serviced engine with 9 qts Aeroshell 15W50 oil. Run up leak check good.

3- Compression check Cyl #1 79/80 2 79/80 3 78/80 4 79/80 5 79/80 6 78/80

4 Installed all new spark plugs P/N RHB 37 E.

5-AD 08-14-07 Fuel injection lines inspection C/W No discrepancy at this time.

Next due at tach time of 790.7/annual or whenever there is maintenance performed Involving the fuel injection lines.

6-Lubed all controls

I certify that this engine was inspected IAW a 100 hr inspection and was determined To be in airworthy condition.

*Kevin Pattengale*

Kevin Pattengale A&P 3132791

KAM Fargo Aircraft Maintenance Inc.

AUTHORIZED SIGNATURE,  
CERTIFICATE TYPE  
& NUMBER

N621D

Date 09-12-2013

Tach 766 Hobb 888.5 TSN 766.0

1- Comp results 76/80 74/80 78/80 78/80 74/80 74/80

2- C/W AD 2011-26-04 Fuel line inspection IAW MSB 342F.

3- Changed oil and oil filter. Serviced with 15W50 Aeroshell. Cut filter no contaminants noted.

4- Replaced ignition lead springs and lead ends #1,#3,#5. cylinder at spark plug lead end.

5-AD 2012 -24-09 Not applicable has A/R Garret turbo.

6-Adjusted Idle RPM and Idle mixture.

I certify that this engine was inspected as per a 100hr inspection and was determined to be in airworthy condition.

David Sahl A&P 3493300

*David Sahl*

Fargo Aircraft Maintenance Inc.

AUTHORIZED SIGNATURE,  
CERTIFICATE TYPE  
& NUMBER



# MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
			<p><b>Flight Development, LLC</b>  <b>3309 70<sup>th</sup> St. S.</b>  <b>Glyndon, MN 56547</b>  <b>218-287-1400</b></p> <p><b>N621D</b>      <b>Date: 8/4/2014</b>    <b>Tach: 815.7</b></p> <p>Changed oil &amp; filter, serviced with CH48110-1 &amp; 9 qts. Aeroshell 15W50. Run-up &amp; leak check good. Michael Koenig 2676533 A&amp;P <i>Michael Koenig</i></p>	

N621D  
Date 10-16-2016  
Tach 851.6

- 1- Changed oil and oil filter. Serviced with 20W50 X/C
- 2- Compression check 76/80 72/80 76/80 77/80 76/80 76/80
- 3-C/W Fuel inj. line AD 2011-26-04.
- 4- Mouse milk turbo waist gate.

I certify that this engine was inspected as per a 100hr inspection and was determined to be in airworthy condition.

AUTHORIZED SIGNATURE,  
CERTIFICATE TYPE  
& NUMBER



Date\_ 3/19/2015\_ P/N\_ TIO-540-AK1A\_ S/N\_ L-11663-61A\_ Tail Number\_ N621D\_

Tach\_ Hobbs\_ 1227.6\_ TTSN\_ TTSMOH\_

☐ 100 Hr      ☐ Annual      ☐ Repair      XOil change\_

## ENGINE

Drained and sampled oil. R&R oil filter w/new P/N: CH 48-110-1. Serviced engine with 9 quarts Phillip X/C 20W-50. Leak checked, no defects noted.

END

*Scott Merrill*  
Scott Merrill

A&P#27663621A



# MAINTENANCE RECORD

DATE



3802 20<sup>th</sup> St. North, Fargo, North Dakota 58102 U.S.A. Phone: 701-373-8840 Fax: 701-280-0300

## ENGINE LOGBOOK INSERT

Date: 12 JUNE 2015

N NUMBER: N621D

MAKE: LYCOMING MODEL: TIO-540-AK1A S/N: L-11663-61A TACH: 899.2 HOBBS: 1038.6

### Maintenance items addressed at this time

- 1) Drained oil & removed filter. Serviced with 9 QTS Phillips X/C 20W 50. Installed new filter P/N CH48110-1. Cut removed filter open and inspected, no contaminants noted. Performed ground run, ops and leak checks good.
- 2) Installed wastegate elbow and tail pipe assy after repair. See Acorn Welding LTD. of Canada Form One Form Tracking No. 2015-3150, dated 6-1-2015 for details of work performed. I.A.W. the Cessna 182 Series M.M. 78-10-01. Performed ground run, ops checked good.

### Airworthiness Directives Complied with at this time:

- 1) C/W AD 11-26-04 Amendment 39-16894 Fuel Injection Lines by visually inspection. No defects noted at this time. Next due @ TACH: 999.2.

~ END ~

MAINTENANCE RELEASE: I certify that the aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current rules of the Federal Aviation Regulations and was found airworthy and approved for return to service for the work performed. Pertinent details of the repair are on file at this agency under Work Order No. 019786 Date: 12 JUNE 2015

Signature of authorized Person

*Mike DeVries*

Mike DeVries

For FAA CERTIFIED REPAIR STATION NO. CTU016D

SIGNATURE,  
ATE TYPE  
MBER

# MAINTENANCE RECORD

DATE

TOTAL TIME  
IN SERVICE

HOURS

10THS

DESCRIPTION OF THE WORK PERFORMED

AUTHORIZED SIGNATURE,  
CERTIFICATE TYPE  
& NUMBER



3802 20<sup>th</sup> St. North, Fargo, North Dakota 58102 U.S.A. Phone: 701-373-8840 Fax: 701-280-0300

## ENGINE LOGBOOK INSERT

Date: 02 JULY 2015

N NUMBER: N621D

MAKE: LYCOMING MODEL: TIO-540-AK1A S/N: L-11663-61A TACH: 925.3

### Maintenance items addressed at this time

- 1) Drained oil & removed filter. Serviced with 9 QTS Phillips X/C 20W 50. Installed new filter P/N CH48110-1. Cut removed filter open and inspected, no contaminants noted. Performed ground run, ops and leak checks good.
- 2) Adjusted mixture as needed IAW Cessna 182S/182T/T182T AMM 73-00-01. Performed ground run, ops checked good.
- 3) Installed new intake gaskets on all intake cylinders, PN: 71973. IAW Lycoming TIO-540-A1A series overhaul manual. Performed ground run, ops checked good.
- 4) Replaced engine oil pan gasket PN: 06B21326 with a new. IAW Cessna 182T AMM and Lycoming TIO-540-A1A series overhaul manual. Leak and ops checks good.
- 5) Replaced alternator noise filter PN: S1915-2 with new unit. Work completed IAW Cessna T182 AMM CH24. Ops check is good.

~ END ~

MAINTENANCE RELEASE: I certify that the aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current rules of the Federal Aviation Regulations and was found airworthy and approved for return to service for the work performed. Pertinent details of the repair are on file at this agency under Work Order No. 019883 Date: 02 JULY 2015

Signature of authorized Person


*Mike DeVries*

Mike DeVries


For FAA CERTIFIED REPAIR STATION NO. CTU016D



# 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>FARGO JET CENTER INC</b> 3802 20<sup>th</sup> St. North, Fargo, North Dakota 58102 U.S.A. Phone: 701-373-8840 Fax: 701-280-0300</p> <p align="center"><b>ENGINE LOGBOOK INSERT</b></p> <p>Date: <u>10 JULY 2015</u> N NUMBER: <u>N621D</u>            MAKE: <u>LYCOMING</u> MODEL: <u>TIO-540-AK1A</u> S/N: <u>L-11663-61A</u> TACH: <u>927.9</u></p> <p><i>Maintenance items addressed at this time</i></p> <ol style="list-style-type: none"> <li>1) Inspected LH and RH magnetos. Replaced contact points in magnetos, internally timed and reinstalled magnetos, engine to mag timing set. IAW Cessna 182T AMM 74-10-00.</li> <li>2) Installed overhauled fuel injector servo PN 2576592-2 SN 70D41210 See Ametek B&amp;S aircraft parts FAA Form 8130-3 WO# R14-04434 dated 14/Aug/2014 for details of the overhaul. IAW Cessna AMM 73-00-01.</li> <li>3) Installed new intake tube insert on #2 cylinder PN 7169 IAW Lycoming TIO 540 AK1A engine overhaul manual 8-26. Operational and leak check ok at this time.</li> </ol> <p align="center">~ END ~</p> <p>MAINTENANCE RELEASE: I certify that the aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current rules of the Federal Aviation Regulations and was found airworthy and is approved for return to service for the work performed. Pertinent details of the repair are on file at this agency under <b>Work Order No. 019912</b> Date: <u>10 JULY 2015</u></p> <p align="center">Signature of authorized Person <u>Mike DeVries</u> Mike DeVries            For FAA CERTIFIED REPAIR STATION NO. CTURO16D</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>FARGO JET CENTER INC</b> 3802 20<sup>th</sup> St. North, Fargo, North Dakota 58102 U.S.A. Phone: 701-373-8840 Fax: 701-280-0300</p> <p align="center"><b>ENGINE LOGBOOK INSERT</b></p> <p>Date: <u>21 AUGUST 2015</u> N NUMBER: <u>N621D</u>            MAKE: <u>LYCOMING</u> MODEL: <u>TIO-540-AK1A</u> S/N: <u>L-11663-61A</u> TACH: <u>973.3</u></p> <p><i>Maintenance items addressed at this time</i></p> <ol style="list-style-type: none"> <li>1) Drained engine oil and serviced with 9 QTS. of Phillips X/C 20W50. Removed engine oil filter, cut open to inspect, no contaminants found at this time. Replaced oil filter with new P/N CH48110-1. Performed ground run, ops and leak checks are good.</li> <li>2) Took oil sample as per customer request and provided to customer.</li> </ol> <p><i>Airworthiness Directives Complied with at this time:</i></p> <ol style="list-style-type: none"> <li>1) C/W AD 11-26-04 Amend. 39-16894 fuel injection lines. IAW AD and SB 342G. No defects noted at this time. Next due @ Tach: 1073.3.</li> </ol> <p align="center">~ END ~</p> <p>MAINTENANCE RELEASE: I certify that the aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current rules of the Federal Aviation Regulations and was found airworthy and is approved for return to service for the work performed. Pertinent details of the repair are on file at this agency under <b>Work Order No. 020094</b> Date: <u>21 AUGUST 2015</u></p> <p align="center">Signature of authorized Person <u>Mike DeVries</u> Mike DeVries            For FAA CERTIFIED REPAIR STATION NO. CTURO16D</p> </div>				



# MAINTENANCE RECORD

N621D

Date 11-06-2015

Hobb 1170.1 TT 1170.1 Engine Time 1010.3

1-Oil change not due at this time.

2-Comp check 78/80 78/80 78/80 78/80 78/80 78/80.

3- Replaced #6 rocker cover gasket. Leak check ok.

4-Mouse milk waist gate.

5- Replaced one spark plug with new due to cracked ceramic. Top #3

6-AD 2011- 26-04 superseded by **AD 2015-19-07** C/W as per

par (e) I i and S.B. 342 rev. G. No discrepancy noted. Next due +110

7- AD 2004-10-14 Crankshaft not due (Sudden stop

8-AD 2015-02-07 governor shaft set screw due at next shaft install.

I Certify that this engine was inspected as per a 100hr inspection and was determined to be in airworthy condition.

David Sahl A&P 3497300 IA

Fargo Aircraft Maintenance Inc.

AUTHORIZED SIGNATURE,  
CERTIFICATE TYPE  
& NUMBER

**FARGO**

JET CENTER INC 3802 20<sup>th</sup> St. North, Fargo, North Dakota 58102 U.S.A. Phone: 701-373-8840 Fax: 701-280-0300

## ENGINE LOGBOOK INSERT

Date: **18 NOVEMBER 2015**

N NUMBER: **N621D**

MAKE: **LYCOMING** MODEL: **TIO-540-AK1A** S/N: **L-11663-61A** TACH: **1017.8**

Maintenance items addressed at this time

- 1) Drained engine oil and serviced with 9 QTS. of Phillips X/C 20W50. Removed engine oil filter, cut open to inspect, no contaminants found at this time. Replaced oil filter with new P/N CH48110-1. Performed ground run, ops and leak checks are good.
- 2) Took oil sample as per customer request and provided to customer.

~ END ~

MAINTENANCE RELEASE: I certify that the aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current rules of the Federal Aviation Regulations and was found airworthy and is approved for return to service for the work performed. Pertinent details of the repair are on file at this agency under Work Order No. **020446** Date: **18 NOVEMBER 2015**

Signature of authorized Person

*Mike DeVries*

Mike DeVries

For FAA CERTIFIED REPAIR STATION NO CTU016D

AUTHORIZED SIGNATURE,  
CERTIFICATE TYPE  
& NUMBER



# MAINTENANCE RECORD

DATE



3802 20<sup>th</sup> St. North, Fargo, North Dakota 58102 U.S.A. Phone: 701-373-8840 Fax: 701-280-0300

## ENGINE LOGBOOK INSERT

Date: 24 JUNE 2016

N NUMBER: N621D

MAKE: LYCOMING MODEL: TIO-540-AK1A S/N: L-11663-61A TACH: 1097.7 ENG TT: 1097.7

### Maintenance items addressed at this time

- 1) Drained engine oil and serviced with 9 QTS. of Phillips X/C 20W50. Removed engine oil filter, cut open to inspect, no contaminants found at this time. Replaced oil filter with new P/N CH48110-1. Performed ground run, ops and leak checks are good.
- 2) Took oil sample as per customer request and provided to customer.

~ END ~

MAINTENANCE RELEASE: I certify that the aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current rules of the Federal Aviation Regulations and was found airworthy and is approved for return to service for the work performed. Pertinent details of the repair are on file at this agency under Work Order No. 021263 Date: 24 JUNE 2016

Signature of authorized Person

For FAA CERTIFIED REPAIR STATION NO. CTURO16D

Mike DeVries

ED SIGNATURE,  
IFICATE TYPE  
NUMBER

# MAINTENANCE RECORD

DATE

TOTAL TIME  
IN SERVICE

HOURS

10THS

DESCRIPTION OF THE WORK PERFORMED

AUTHORIZED SIGNATURE,  
CERTIFICATE TYPE  
& NUMBER



3802 20<sup>th</sup> St. North, Fargo, North Dakota 58102 U.S.A. Phone: 701-373-8840 Fax: 701-280-0300

## ENGINE LOGBOOK INSERT

Date: 19 JULY 2016

N NUMBER: N621D

MAKE: LYCOMING MODEL: TIO-540-AK1A S/N: L-11663-61A TACH: 1109.5 ENG TT: 1109.5

### Airworthiness Directives Complied with at this time:

- 1) C/W AD2015-19-07 Amendment 39-18269 - Visual inspection of fuel injector lines. No defects noted. Next due @ 1209.5 Engine TT.

~ END ~

MAINTENANCE RELEASE: I certify that the aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current rules of the Federal Aviation Regulations and was found airworthy and is approved for return to service for the work performed. Pertinent details of the repair are on file at this agency under Work Order No. 021263 Date: 19 JULY 2016

Signature of authorized Person


For FAA CERTIFIED REPAIR STATION NO. CTURO16D

Mike DeVries



# MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		



**FARGO JET CENTER INC** 3802 20<sup>th</sup> St. North, Fargo, North Dakota 58102 U.S.A. Phone: 701-373-8840 Fax: 701-280-0300

**ENGINE LOGBOOK INSERT**

Date: 22 AUGUST 2016 N NUMBER: N621D  
 MAKE: LYCOMING MODEL: TIO-540-AK1A S/N: L-11663-61A TACH: 1142.8 ENG TT: 1142.8

Maintenance Items Complied with at this time:

- 1) Drained engine oil and serviced with 9 QTS of Phillips X/C 20W50. Took oil sample. Removed engine oil filter, cut open to inspect, no contaminants found at this time. Replaced oil filter with new P/N CH48110-1. Engine run up and leak check good.
- 2) All spark plugs replaced with new IAW Lycoming Direct Drive Overhaul manual and Lycoming Service Table of Limits and Torque Recommendations SSP-1776-1. Engine run up and ops check good.


~ END ~

**MAINTENANCE RELEASE:** I certify that the aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current rules of the Federal Aviation Regulations and was found airworthy and is approved for return to service for the work performed. Pertinent details of the repair are on file at this agency under **Work Order No. 021471** Date: 22 AUGUST 2016

Signature of authorized Person Mike DeVries Mike DeVries  
 For FAA CERTIFIED REPAIR STATION NO. CTU016D

# MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		



**FARGO JET CENTER INC** 3802 20<sup>th</sup> St. North, Fargo, North Dakota 58102 U.S.A. Phone: 701-373-8840 Fax: 701-280-0300

**ENGINE LOGBOOK INSERT**

Date: 06 OCTOBER 2016 N NUMBER: N621D  
 MAKE: LYCOMING MODEL: TIO-540-AK1A S/N: L-11663-61A TACH: 1162.0 ENG TT: 1162.0

C/W **100Hr Inspection** IAW FJC single piston engine annual/100 hour inspection checklist and Appendix D of FAR Part 43

Special Inspections and Time Life Items Complied With at this time:

- 1) Compressions are as follows:  
 #1=78/80 #2=78/80 #3=78/80 #4=79/80 #5=78/80 #6=79/80.

Maintenance Items addressed at this time:

- 1) Replaced #2, and #6 engine intake gaskets with new P/N 71973 IAW Lycoming TIO-540-AK1A series overhaul manual section 8.
- 2) Adjusted #4 engine intake pipe coupling to oil sump and also replaced intake pipe gasket with new P/N 71973 IAW Lycoming TIO-540-AK1A series overhaul manual section 8. Run up and leak check good.
- 3) Replaced #5 engine cylinder valve cover gasket with new P/N 75906 IAW Lycoming TIO-540-AK1A series overhaul manual section 6. Leak check good.

Airworthiness Directives Complied With at this time:

- 1) Checked AD's through **BW 2016-20**. No new applicable AD's.
- 2) C/W **AD 2015-19-07** Amend. 39-18269 Effective 11/3/2015 (fuel line inspection) by visual inspection. No defects noted. Next due @ 1262.0 ACTT.


~ END ~

**MAINTENANCE RELEASE:** I certify that the aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current rules of the Federal Aviation Regulations and was found airworthy and is approved for return to service for the work performed. Pertinent details of the repair are on file at this agency under **Work Order No. 021613** Date: 06 OCTOBER 2016


Signature of authorized Person Mike DeVries Mike DeVries  
 For FAA CERTIFIED REPAIR STATION NO. CTU016D



# 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>FARGO JET CENTER INC</b> 3802 20<sup>th</sup> St. North, Fargo, North Dakota 58102 U.S.A. Phone: 701-373-8840 Fax: 701-280-0300</p> <p align="center"><b>ENGINE LOGBOOK INSERT</b></p> <p>Date: <u>08 NOVEMBER 2016</u> N NUMBER: <u>N621D</u>            MAKE: <u>LYCOMING</u> MODEL: <u>TIO-540-AK1A</u> S/N: <u>L-11663-61A</u> TACH: <u>1186.4</u> ENG TT: <u>1186.4</u>  <i>Special Inspections and Time Life Items Complied With at this time:</i>            1) Drained engine oil and removed engine oil filter. took oil sample. Cut open oil filter and inspected, no defects noted.            Installed new oil filter P/N CH48110-1 and added 9 qts of X/C20W50 IAW Cessna T182T MM 12-14-02.</p> <p align="center">~ END ~</p> <p>MAINTENANCE RELEASE: I certify that the aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current rules of the Federal Aviation Regulations and was found airworthy and is approved for return to service for the work performed. Pertinent details of the repair are on file at this agency under Work Order No. <u>021811</u> Date: <u>08 NOVEMBER 2016</u>.</p> <p align="center">Signature of authorized Person <u>Mike DeVries</u> Mike DeVries            For FAA CERTIFIED REPAIR STATION NO. CTU016D</p> </div>				

<div style="border: 1px solid black; padding: 10px;"> <p align="center">CHANDLER AIR SERVICE            1675 EAST RYAN ROAD            CHANDLER, AZ 85286</p> <p align="center"><b>ENGINE LOG ENTRY</b></p> <p>N621D MODEL: T182T SN: T18208306 TACH: 1227.9            LYCOMING MODEL: TIO-540-AK1A SN: L-11663-61A</p> </div>				
DATE	TOTAL TIME IN SERVICE	OIL DRAINED, FILTER REMOVED & INSPECTED NO SIGNIFICANT WEAR METALS NOTED. OIL SAMPLE SUBMITTED BY OWNER. NEW FILTER, CH48110-1, INSTALLED. SERVICED WITH 9 QTS PHILLIPS XC 20/50W. MAINTENANCE & OPERATIONAL CHECK PER C182 & LYCOMING SERVICE MANUALS.		AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS			
<div style="border: 1px solid black; padding: 10px;"> <p align="center"><u>John H. Zilch</u>            JOHN H. ZILCH, A&amp;P 3718995 3/21/2017 SHOP ORDER 17-4366</p> </div>				

<div style="border: 1px solid black; padding: 10px;">  <p><b>FARGO JET CENTER LLC</b> 3802 20<sup>th</sup> St. North, Fargo, North Dakota 58102 U.S.A. Phone: 701-373-8840 Fax: 701-280-0300</p> <p align="center"><b>ENGINE LOGBOOK INSERT</b></p> <p>Date: <u>20 JUNE 2017</u> N NUMBER: <u>N621D</u>            MAKE: <u>LYCOMING</u> MODEL: <u>TIO-540-AK1A</u> S/N: <u>L-11663-61A</u> TACH: <u>1271.7</u> ENG TT: <u>1271.7</u>  <i>Special Inspections and Time Life Items Complied With at this time:</i>            1) Drained engine oil and removed engine oil filter. took oil sample. Cut open oil filter and inspected, no defects noted.            Installed new oil filter P/N CH48110-1 and added 9 qts of X/C20W50 IAW Cessna T182T M/M 12-14-02.</p> <p><i>Airworthiness Directives Complied With at this time:</i>            1) C/W AD 2015-19-07 Amendment 39-18269 Effective 11/03/15, visual inspection of fuel injector lines, no defects noted.            Next due @ 1371.7 Tach.</p> <p align="center">~ END ~</p> <p>MAINTENANCE RELEASE: I certify that the aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current rules of the Federal Aviation Regulations and was found airworthy and is approved for return to service for the work performed. Pertinent details of the repair are on file at this agency under Work Order No. <u>022649</u> Date: <u>20 JUNE 2017</u>.</p> <p align="center">Signature of authorized Person <u>Joshua Rychener</u> Joshua Rychener            For FAA CERTIFIED REPAIR STATION NO. CTU016D</p> </div>				
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# DETROIT LAKES

24813 Hwy 10W  
Detroit Lakes MN 56501

N621D

August 29, 2017

Hubbs  
Tech 1519.1

Estimated tach: 1303.1

Removed both magnetos and sent to Bolduc Aviation for 500 hour inspection. See WO# 30371 for details. Installed and timed to engine upon return. Operational checks satisfactory.

Signed

Mark Bergen A&P 5204764

Date

8/29/17

AUTHORIZED SIGNATURE,  
CERTIFICATE TYPE  
& NUMBER

## MAINTENANCE RECORD

DATE



JET CENTER LLC

3802 20<sup>th</sup> St. North, Fargo, North Dakota 58102 U.S.A. Phone: 701-373-8840 Fax: 701-280-0300

### ENGINE LOGBOOK INSERT

Date: **03 NOVEMBER 2017**

N NUMBER: **N621D**

MAKE: **LYCOMING** MODEL: **TIO-540-AK1A** S/N: **L-11663-61A** TACH: **1321.0** ENG TT: **1321.0**

C/W **100Hr Inspection** IAW FJC single piston engine annual/100 hour inspection checklist and Appendix D of FAR Part 43

*Special Inspections and Time Life Items Complied With at this time:*

- 1) Drained engine oil and serviced with 9 QTS of Phillips X/C 20W50. Took oil sample. Removed engine oil filter, cut open to inspect, no contaminants found. Replaced oil filter with new P/N CH48110-1. Run up and leak check good.

*Maintenance Items addressed at this time:*

- 1) Installed new intake pipe connections P/N 71699, hoses P/N 69603, and gaskets P/N 71973 on #4 & #6 cylinders IAW Lycoming TIO 540 AK1A engine overhaul manual 8-26. Operational and leak check ok.

*Airworthiness Directives Complied With at this time:*

- 1) Checked AD's through **BW 2017-22**.

~ END ~  
MAINTENANCE RELEASE: I certify that the aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current rules of the Federal Aviation Regulations and was found airworthy and is approved for return to service for the work performed. Pertinent details of the repair are on file at this agency under Work Order No. **023166** Date: **03 NOVEMBER 2017**

Signature of authorized Person


For FAA CERTIFIED REPAIR STATION NO. CTU016D

Mike DeVries

D SIGNATURE,  
DATE TYPE  
NUMBER



# 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>3802 20<sup>th</sup> St. North, Fargo, North Dakota 58102 U.S.A. Phone: 701-373-8840 Fax: 701-280-0300</p> <p align="center"><b>ENGINE LOGBOOK INSERT</b></p> <p>Date: <u>24 APRIL 2018</u> N NUMBER: <u>N621D</u>            MAKE: <u>LYCOMING</u> MODEL: <u>TIO-540-AK1A</u> S/N: <u>L-11663-61A</u> TACH: <u>1367.7</u> ENG TT: <u>1367.7</u>  <i>Special Inspections and Time Life Items Complied With at this time:</i>            1) Drained engine oil and serviced with 9 QTS of Phillips X/C 20W50. Took oil sample. Removed engine oil filter, cut open to inspect, no contaminants found. Replaced oil filter with new P/N CH48110-1. Run up and leak check good.  <i>Airworthiness Directives Complied With at this time:</i>            1) C/W AD 2015-19-07 Amendment 39-18269 Effective 11/3/15 by visually inspecting fuel lines for defects. No defects noted. Next due @ 1467.7 Tach.</p> <p align="center">~ END ~</p> <p>MAINTENANCE RELEASE: I certify that the aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current rules of the Federal Aviation Regulations and was found airworthy and is approved for return to service for the work performed. Pertinent details of the repair are on file at this agency under Work Order No. <u>023757</u> Date: <u>24 APRIL 2018</u>.</p> <p align="center">Signature of authorized Person <u>Mike DeVries</u> Mike DeVries            For FAA CERTIFIED REPAIR STATION NO. CTU016D</p> </div>				

N# 621D ACTT- 7A TT- 1416.1 Hobbs- 16573  
 Drained oil, replaced filter with new unit P/N- CH48110-1. Serviced engine with 9 quarts of Phillips XC20W50. Cut filter open, found no unusual contaminants at this time. Ground run and leak checks good.  
 Signed: Frank Lottier Date 9/18/18

**DETROIT LAKES**  
 AVIATION  
 24813 Hwy 10 West Detroit Lakes, MN 56501

**DETROIT LAKES**  
 AVIATION

24813 Hwy. 10 West  
 Detroit Lakes MN 56501

**N621D TT & ETT 1481.7 Hobbs 1660.3 October 1, 2018**

Complied with 100 hour inspection. Performed compression check. Results as follows: # 1-79/80, # 2-72/80, #3-78/80, # 4-75/80 #5-78/80 and #6-78/80. CW AD2015-19-07 fuel injector line inspection. Next due 09/19. Replaced all rocker cover gaskets P/N APS-75906-S. Replaced #3 intake gasket P/N 71973. Ground ran aircraft. Operational and leak checks satisfactory. Ad search completed thru this date.

I certify that this aircraft engine has been inspected in accordance with a 100 hr. inspection and was determined to be in airworthy condition.

Signed Erik Carlson Date 10-1-18  
 Erik Carlson A&P 2826620

N621D DATE: 2/18/2019  
 TACH: 1453.2 HOBBS: 1704.2

Drained oil. Removed and cut open filter. No defects noted. Installed CH48110 filter and serviced with 9 quarts of Phillips XC 20W-50. Run up and leak check good. C/W AD2015-19-07 fuel line insp due again at 1563.2 Tach or anytime a clamp is moved and engine overhaul.

Travis Schleusner  
 Travis Schleusner A&P 504080338



# MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		

<b>N621D</b> Make Lycoming Model TIO-54-AK1A S/N L-11663-61A Log Entry Page 1 of 1	<b>Classic Air Aviation</b> 4805 E. Falcon Dr. Mesa, Az. 85215	Date: 11/24/19 ETT: 1489.2 TSN: 1489.2 TACH: 1489.2 HOBBS: 1748.2
--	--	---

Drained oil and replaced filter. Cut open and inspected old oil filter, no significant debris noted. Removed, inspected and cleaned oil suction screen. Serviced with Aeroshell 100W Plus oil. Cleaned, gapped, tested, and rotated the spark plugs. C/W Lycoming Service Bulletin 480F, and S.I.s 1129D, 1080C. Complied with Lycoming 50 Hr. and 100 Hr. Inspection. Performed satisfactory engine compression test, Results were as follows: #1- 78/80, #2- 77/80, #3- 78/80, and #4- 76/80. All work done by referencing Lycoming Operators Manual and F.A.R 43 Appendix D. Performed ground run operational checks with no leaks or discrepancies noted. ---END---

The aircraft, engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the FAA and is determined to be in an airworthy condition at this time and approved for return to service. No other representations concerning Airworthiness are expressed or implied.

Date: 11/24/19      Authorized Signature Martin Pacheco      A&P Number AP3078969

/N621D  
 TACH: 1512.8  
 HOBBS: 1779.0  
 ETT: 1512.8



LYCOMING  
 TIO-54-AK1A  
 S/N L-11663-61A  
 2/19/21


1. PERFORM OPERATIONAL RUN AND CHECK.
2. REMOVE, CLEAN, INSPECT, GAP, TEST, ROTATE AND REINSTALL SPARK PLUGS WITH NEW GASKETS.
3. PERFORM COMPRESSION TEST AS FOLLOWS: #1)80/80 #2)79/80 #3)79/80 #4)78/80 #5)80/80 #6)80/80.
4. REMOVED INDUCTION AIR FILTER AND CLEANED AND REINSTALLED.
5. DRAINED OIL, REMOVED FILTER, AND CUT OPEN AND INSPECT. NO METAL FOUND. INSTALLED NEW FILTER AND SERVICED ENGINE WITH PHILLIPS X/C 20W50.
6. COMPLIED WITH AD 2015-19-07 FUEL INJECTOR LINES. NO FAULTS FOUND.
7. ADJUSTED MAG TIMING TO SPEC.

REFERENCE CESSNA T182 AND LYCOMING MM'S FOR WORK PERFORMED. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR/ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.


MARK TORGERSON [Signature] AP3207874




# MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER									
	HOURS	10THS											
			<p align="center"><b>M.V.A.O. LLC</b> Las Cruces International Airport (KLRU)</p> <table border="1"> <tr> <td>Make: Lycoming</td> <td>Model: TIO 540 AK1A</td> <td>Serial # L- 11663-61A</td> </tr> <tr> <td>N#: 621 D</td> <td>W/O#</td> <td>Date: 10-04-2021</td> </tr> <tr> <td>Tach Time: 1526.2</td> <td>ENG.T.T: 1526.2</td> <td>TSMOH : 1526.2</td> </tr> </table> <p>Completed 100hr inspection IAW FAR 43 app. D, Cessna service manual and all applicable airworthiness data. The following work was accomplished in conjunction with this inspection. Engine compressions were as follows. #1 79/80 #2 76/80 #3 78/80 #4 78/80 #5 78/80 #6 78/80. Oil not changed at owner request. Removed and serviced spark plugs. Reinstalled with new M-674 gaskets and torqued. Inspected engine to magneto timing. Cleaned all fuel screens and gascolator. Lubricated wastegate.</p> <p>There are no A.D.'s due at this time.</p> <p>I certify this engine has been inspected IAW a 100 hr inspection and was found to be airworthy on this date  Oscar Reyes  A&amp;P# 460438513</p>		Make: Lycoming	Model: TIO 540 AK1A	Serial # L- 11663-61A	N#: 621 D	W/O#	Date: 10-04-2021	Tach Time: 1526.2	ENG.T.T: 1526.2	TSMOH : 1526.2
Make: Lycoming	Model: TIO 540 AK1A	Serial # L- 11663-61A											
N#: 621 D	W/O#	Date: 10-04-2021											
Tach Time: 1526.2	ENG.T.T: 1526.2	TSMOH : 1526.2											

# MAINTENANCE RECORD

DATE	H			ATURE, YPE									
			<p align="center"><b>M.V.A.O. LLC</b> Las Cruces International Airport (KLRU)</p> <table border="1"> <tr> <td>Make: Lycoming</td> <td>Model: TIO 540 AK1A</td> <td>Serial # L- 11663-61A</td> </tr> <tr> <td>N#: 621 D</td> <td>W/O#</td> <td>Date: 08-23-2022</td> </tr> <tr> <td>Tach Time: 1558.2</td> <td>ENG.T.T: 1558.2</td> <td>TSMOH : 1558.2</td> </tr> </table> <p>Completed 100hr inspection IAW FAR 43 app. D, Cessna service manual and all applicable airworthiness data. The following work was accomplished in conjunction with this inspection. Engine compressions were as follows. #1 72/80 #2 68/80 #3 72/80 #4 70/80 #5 72/80 #6 70/80. Removed and serviced spark plugs. Reinstalled with new M674 gaskets and torqued. Inspected engine to magneto timing. Cleaned all fuel screens and gascolator. Lubricated wastegate. Secure loose wiring.</p> <p>The following A.D.'s were complied with on this date: A.D. 15-19-07 External fuel injection lines. Next due 100hr/Annual.</p> <p>I certify this engine has been inspected IAW a 100 hr inspection and was found to be airworthy on this date  Oscar Reyes  A&amp;P# 460438513</p>		Make: Lycoming	Model: TIO 540 AK1A	Serial # L- 11663-61A	N#: 621 D	W/O#	Date: 08-23-2022	Tach Time: 1558.2	ENG.T.T: 1558.2	TSMOH : 1558.2
Make: Lycoming	Model: TIO 540 AK1A	Serial # L- 11663-61A											
N#: 621 D	W/O#	Date: 08-23-2022											
Tach Time: 1558.2	ENG.T.T: 1558.2	TSMOH : 1558.2											



# M.V.A.O. LLC

Las Cruces International Airport (KLRU)

DATE

Make: Lycoming	Model: TIO-540 AK1A	Serial # L-11663-61A
N#: 621 D	W/O#	Date: 05-16-2023
Hobbs: 1828.3	ENG.T.T: N/A	TSMOH: N/A

HORIZONTAL SIGNATURE,  
CERTIFICATE TYPE  
& NUMBER

Installed new SkyTec Starter P/N 149NL/EC Serial # H-XO30304. Ground run performed.  
No discrepancies noted.

Oscar Reyes

A&P# 460438513

202534 (11-10-2023)

Page 1 / 1

MAKE: Cessna  
MODEL: T182T  
S/N: T18208306  
REG. NO.: N621D  
ENGINE MAKE: LYCOMING  
ENGINE MODEL: TIO-540-  
AK1A

## Clear Star Aviation

FAA Cert: 5CSR009B  
15841 Addison Road  
Addison, TX 75001

W/O #: 202534  
DATE: 11-10-2023  
A/C TT: 1559.4  
A/C Tach: 1559.4  
ENG TT: 1559.4

## Engine Entries

- Complied with engine 100 Hr. inspection IAW 14CFR 4313 App. D and Cessna 182 MM (1997 and on) Rev. 22
- The cylinder compression was checked with the following results: #1, 78/80 #2, 74/80 #3, 77/80 #4, 76/80 #5, 76/80 #6, 76/80 psi. Master orifice 40/80.
- The oil and filter was changed and serviced with 8 quarts of Phillips 20W-50 X/C and a new CH48110-1 filter. An oil sample was collected for analysis by Blackstone Laboratories.

Researched AD's through bi-weekly issue of this date, all AD's are in compliance at this time. I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition. I have reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of repair are on file at Clear Star Aviation 15841 Addison Road Addison, TX 75001

DATE: 11-10-2023

SIGNED:

Jacob Johnson  
FAA Cert: 5CSR009B

WORK ORDER: 202534

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202730 (08-15-2024)

Page 1 / 1

MAKE: Cessna  
MODEL: T182T  
S/N: T18208306  
REG. NO: N621D  
ENGINE MAKE: LYCOMING  
ENGINE MODEL: TIO-540-  
AK1A  
ENGINE SN: L-11663-61A

## Clear Star Aviation

FAA Cert: 5CSR009B  
15841 Addison Road  
Addison, TX 75001

W/O #: 202730  
DATE: 08-15-2024  
A/C TT: 1562.5  
A/C Tach: 1562.5  
ENG TT: 1562.5

## Engine Entries

- Perform cylinder compression test.... The cylinder compression was checked with the following results: #1, 65/80 #2, 69/80 #3, 75/80 #4, 73/80 #5, 65/80 #6, 74/80 psi.
- RH #2 and 3 baffle cracked.... Removed right side aft 2 baffles and repaired IAW AC 43-13-1B.
- Left hand baffle rear plug button has broken teeth... Replaced LH baffle rear plug button P/N: NAS451-55 with new IAW Cessna Model 182 MM 71-00-01.
- Turbo oil return line stiff. ... Removed turbo oil return line P/N LW14848-8S360 and replaced with a new line P/N LW14848-8S360 IAW Lycoming TIO-540-AK1A. Leak check good.

This aircraft/component identified above was maintained or altered in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work performed. All disrupted systems were restored and functionally tested in accordance with mfg's instructions. Pertinent details of repair are on file at Clear Star Aviation 15841 Addison Road Addison, TX 75001

DATE: 08-15-2024

SIGNED:

Jacob Johnson  
FAA Cert: 5CSR009B

WORK ORDER: 202730

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