

# **N613ES**

## **2005 Cessna T182T**

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# **Engine Logbook SNEW 2005 - 2025**

**MSN: T18208424**



*Prepared by the worldwide aviation specialists at RidgeAire, Inc.*

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## ENGINE MAINTENANCE RECORD

AIRCRAFT SERIAL AND REGISTRATION T18208424 N1613ES

ENGINE MODEL AND SERIAL T10-540-AK1A L-12010-61E

# 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.

MODEL TIO-540-AK1A SERIAL NO. L-12010-61E

DATE 4/18/05

*[Signature]*  
(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		
2005 08/09	5	3	Engine model TIO-540-AK1A, S/N <u>L-12010-61E</u> has been installed on aircraft # <u>T18208424</u> . This engine serviced with Phillips X/C 20W50 Engine oil.	<i>[Signature]</i> ODARR100129CE
9/14	30.	5	changed oil + filter, serviced with 9 QTS 15W-50. Installed oil quick drain valve. Ran-up VOK.	AP 2919106 <i>[Signature]</i>
05JUN06	122	2	DRAINED ENGINE & OIL COOLER OF OIL. REMOVED & REPLACED OIL FILTER CH 48110 → WINAW. SERVICED ENGINE W/ 9QTS 15W50 AEROSHELL, LEAK CHECK & RUNUP. RTS	<i>[Signature]</i> 94687447 ADD JOSEPH B. MURPHY.

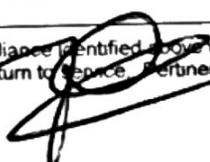
## MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE	DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
		<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 30%;"> <p>ENGINE MODEL: T10-540-AKA ENGINE S/N: L-12010-61E REG. NO: 613ES WORK ORDER: 6587</p> </div> <div style="width: 20%; text-align: center;">  <p><b>Lincoln Park Aviation</b></p> </div> <div style="width: 40%;"> <p>Repair Station No. LKPR101K 425 Beaverbrook Road Lincoln Park, NJ 07035 Phone: 973-633-0450</p> </div> </div>	<p>DATE: 9/8/2006 A/C TSN: 163.7 ENG TT: 163.7 TSMOH: 163.7 HOBBS: 188.8</p>
		<p><b>Engine Entries</b></p> <p>(2) ANNUAL/ENGINE - Drained oil, change filter and/or cleaned screens, no contamination found. Cleaned and gapped spark plugs, check compression using 80 psi as reference: #1) 77/80 #2) 78/80 #3) 78/80 #4) 76/80 #5) 76/80 #6) 77/80 Checked fuel system, drained sumps. Checked mags and timing. Checked prop for leaks and greased if required.... (10) Complied With AD 2002-26-01, prevent fuel injection failure by visual inspection.... (11) REMOVED AND REPLACED STARTER WITH REBUILT STARTER. REMOVED P/N: PM2401H, S/N: 85670011, INSTALLED P/N: PM2401H, S/N: 85006210</p>	
		<p>The Aircraft, Airframe, Aircraft Engine, Propeller or Appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is Approved for return to service. Certificate details of the repair are on file at this repair station under work order listed below.</p>	
		<p>DATE: 9/8/2006</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>SIGNED:  Frank R Galella Certified Repair Station No. LKPR101K</p> </div> <div style="width: 40%; text-align: center;"> <p><b>Inspector 2</b></p> </div> <div style="width: 30%; text-align: right;"> <p>Work Order: 6587 Printed by EBis 3 (datcomedia.com)</p> </div> </div>	

## MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
			<p>ENGINE MODEL: T10-540-AKA ENGINE S/N: L-12010-81E REG NO: 813ES WORK ORDER: 6861</p> <div style="display: flex; align-items: center; justify-content: center;">  <div> <p><b>Lincoln Park Aviation</b> 425 Beaverbrook Road Lincoln Park, NJ 07035 Phone: 973-633-0450</p> </div> </div> <p style="text-align: right; margin-top: 10px;">DATE: 1/10/2007 A/C TSN: ENG TT: HOBBS: 221.9</p> <p><b>Engine Entries</b></p> <p>(1) Completed oil and filter change, inspected oil filter and found no contamination. Added 9qts of 15w50 oil.</p> <p>The Aircraft, Airframe, Aircraft Engine, Propeller or Appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is Approved for return to service. Pertinent details of the repair are on file at this repair station under work order listed below.</p> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div>DATE: 1/10/2007</div> <div style="text-align: center;"> <p>SIGNED: </p> <p>Frank R Galella</p> </div> <div style="text-align: right;"> <p><b>Inspector 2</b></p> <p>Work Order: 6861</p> <p>Printed by EBis 3 (datcomedia.com)</p> </div> </div>	

## MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
			<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 30%;"> <p>ENGINE MODEL: T10-540-AKA ENGINE S/N: L-12010-61E REG NO: 613ES WORK ORDER: 7108</p> </div> <div style="width: 30%; text-align: center;">  <p><b>Lincoln Park Aviation</b> Repair Station No. LKPR101K 425 Beaverbrook Road Lincoln Park, NJ 07035 Phone: 973-633-0450</p> </div> <div style="width: 30%; text-align: right;"> <p>DATE: 5/24/2007 A/C TSN: 218.1 ENG TT HOBBS: 251.9</p> </div> </div> <p><b>Engine Entries</b> (1) Completed oil and filter change, inspected oil filter and found no contamination. Added 9qts of 15w50 oil.</p> <hr/> <p>The Aircraft, Airframe, Aircraft Engine, Propeller or Appliance Identified Above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is Approved for return to service. Pertinent details of the repair are on file at this repair station under work order listed below.</p> <div style="display: flex; justify-content: space-between; align-items: flex-end; margin-top: 20px;"> <div style="width: 25%;"> <p>DATE: 5/24/2007</p> </div> <div style="width: 40%; text-align: center;"> <p>SIGNED:  Frank R Galella Certified Repair Station No. LKPR101K</p> </div> <div style="width: 30%; text-align: right;"> <p><b>Inspector 2</b> Printed by EBis 3 (datcomedia.com) Work Order: 7108</p> </div> </div>	

# MAINTENANCE RECORD

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

ENGINE MODEL:  
T10-540-AKA  
ENGINE S/N L-12010-61E  
REG NO: 613ES  
WORK ORDER 7288



**Lincoln Park Aviation**  
Repair Station No. LKPR101K  
425 Beaverbrook Road  
Lincoln Park, NJ 07035  
Phone: 973-633-0450

DATE: 8/9/2007  
A/C TSN: 246 7  
ENG TT:  
TSMOH: 246 7  
HOBBS: 285 5

### Engine Entries

(2) ANNUAL/ENGINE - Drained oil, change filter and/or cleaned screens, no contamination found. Cleaned and gapped spark plugs, check compression using 80 psi as reference: #1) 79/80 #2) 75/80 #3) 78/80 #4) 77/80 #5) 78/80 #6) 74/80  
Checked fuel system, drained sumps. Checked mags and timing. Checked prop for leaks and greased if required. ... (9) COMPLIED WITH SB 07-71-01 R1, ENGINE COMPARTMENT FUEL HOSES SECURITY INSPECTION... (11) COMPLIED WITH AD 2002-28-01, PREVENT FAILURE OF FUEL INJECTOR FUEL LINES BY REPLACING FUEL INJECTOR CLAMPS ON #2 & #4 CYL... (14) REMOVED AND REPLACED LEFT AND RIGHT MAGNETOS, REPLACED GASKETS, REINSTALLED AND TIMED MAGNETOS.

The Aircraft, Airframe, Aircraft Engine, Propeller or Appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is Approved for return to service. Pertinent details of the repair are on file at this repair station under work order listed below.

DATE: 8/9/2007

SIGNED:

Roland Wattenbach  
Certified Repair Station No. LKPR101K

*ins #4*

Work Order: 7288

Printed by EBis 3 (datcomedia.com)

## MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
			<div style="text-align: right; margin-bottom: 20px;">                     DATE: 11/26/2007                      A/C TSN:                      ENG TT:                      TACH: 283.3                 </div> <div style="text-align: center; margin-bottom: 20px;">  <p><b>Lincoln Park Aviation</b>                      Repair Station No. LKPR101K                      425 Beaverbrook Road                      Lincoln Park, NJ 07035                      Phone: 973-633-0450</p> </div> <p><b>ENGINE MODEL:</b>                      T10-540-AKA  <b>ENGINE S/N:</b> L-12010-61E  <b>REG. NO:</b> 613ES  <b>WORK ORDER:</b> 7530</p> <p><b>Engine Entries</b>                      (1) Completed oil and filter change, inspected oil filter and found no contamination. Added 9qts of 15w50 oil.</p> <p>The Aircraft, Airframe, Aircraft Engine, Propeller or Appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is Approved for return to service. Pertinent details of the repair are on file at this repair station under work order listed below.</p> <div style="text-align: right; margin-top: 20px;">   <b>SIGNED:</b>                      Frank R Galella                      Certified Repair Station No. LKPR101K                 </div> <div style="text-align: right; margin-top: 20px;"> <b>Inspector 2</b>                      Work Order: 7530                      Printed by EBis 3 (datcomedia.com)                 </div>	

## MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
			<p>ENGINE MODEL: T10-540-AKA ENGINE S/N: L-12010-61E REG. NO: 613ES WORK ORDER: 8050</p> <div style="display: flex; align-items: center; justify-content: center;">  <div style="margin-left: 10px;"> <p><b>Lincoln Park Aviation</b> Repair Station No. LKPR101K 425 Beaverbrook Road Lincoln Park, NJ 07035 Phone: 973-633-0450</p> </div> </div> <p style="text-align: right; margin-right: 20px;">DATE: 9/4/2008 A/C TSN: 320.7 ENG TT: TSMOH: 320.7 HOBBS: 371.4</p> <p><b>Engine Entries</b></p> <p>(2) ANNUAL/ENGINE - Drained oil, change filter and/or cleaned screens, no contamination found. Cleaned and gapped spark plugs, check compression using 80 psi as reference: #1) 75/80 #2) 75/80 #3) 74/80 #4) 74/80 #5) 74/80 #6) 72/80 Checked fuel system, drained sumps. Checked mags and timing. Checked prop for leaks and greased if required.</p> <hr/> <p>The Aircraft, Airframe, Aircraft Engine, Propeller or Appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is Approved for return to service. Pertinent details of the repair are on file at this repair station under work order listed below.</p> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div>DATE: 9/4/2008</div> <div style="text-align: center;"> <p>SIGNED: </p> <p>Frank R Galella Certified Repair Station No. LKPR101K</p> </div> <div style="text-align: center;"> <p>Inspector 2</p> <p>Printed by EBis 3 (datcomedia.com)</p> </div> <div style="text-align: right;">Work Order: 8050</div> </div>	



# MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		
	HOURS	10THS	

## Engine Log

December 1, 2010

N613ES

Tach: 411.8, Total Time: 411.8

Changed oil and filter. Cut open old filter, no metal found. Serviced with 8 quarts Aeroshell 15W50. Spark plugs cleaned and gapped, magneto timing checked. #1 78/80, #2 76/80, #3 76/80, #4 78/80, #5 78/80, #6 74/80. C/W AD 08-14-07 fuel injector line inspection. Engine washed and run-up checked OK.

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

  
Steven Vander Valk A&P 2919106 IA  
Paragon Aircraft Service

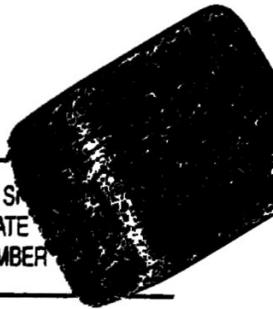
AUTHORIZED SIGNATURE  
CERTIFICATE TYPE  
& NUMBER



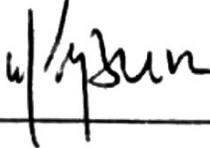
## MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
			<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>ENGINE MODEL T10-540-AKA ENGINE S/N: L-12010-61E REG. NO 813ES WORK ORDER 9386</p> </div> <div style="width: 30%; text-align: center;">  <p><b>Lincoln Park Aviation</b> Repair Station No. LKPR101K 425 Beaverbrook Road Lincoln Park, NJ 07035 Phone 973-833-0450</p> </div> <div style="width: 30%;"> <p>DATE: 5/5/2011 A/C TSN: 4129 ENG TT: TSMOH: 3207 110000: 409 0</p> </div> </div> <p><b>Engine Entries</b></p> <p>(2) ANNUAL/ENGINE - Drained oil, change filter and/or cleaned screens, no contamination found. Cleaned and gapped spark plugs, check compression using 80 psi as reference #1) 74/80 #2) 76/80 #3) 76/80 #4) 78/80 #5) 74/80 #6) 74/80 Checked fuel system, drained sumps. Checked mags and timing. Checked prop for leaks and greased if required. (7) COMPLIED WITH AD 2008-14-07 BY INSPECTING FUEL INJECTOR FUEL LINE IAW LYCOMING SB 342E.</p> <hr/> <p>The Aircraft, Airframe, Aircraft Engine, Propeller or Appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is Approved for return to service. Pertinent details of the repair are on file at this repair station under work order listed below</p> <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="width: 20%;">DATE: 5/5/2011</div> <div style="width: 40%;"> <p>SIGNED: </p> <p>Frank R Galella Certified Repair Station No. LKPR101K</p> </div> <div style="width: 30%; text-align: right;"> <p>Work Order: 9386 Printed by EBis 3 (datcomedia.com)</p> </div> </div>	

## MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE CERTIFICATE & NUMBER
	HOURS	10THS		
			Performed inspection 100 hrs and 400 hrs Engine Changed Engine Oil and Filter no contamination Found serviced with 9 quarts Aeroshell 15W50 Replaced # 12 spark plug CW AD2008-14-07 Fuel Injector Lines Inspection W.D. 02/11	 AEP 2563239 JMC
01 NOV 11	512 Tech	6		
	523 Tech	9 TIME	PERFORMED TEMPORARY STORAGE I.A.W. CESSNA 182 AHM CH 10-11-00 PAG. 291 PAR. 3	AEP 2563239 JMC
22 FEB 12	524 TACH	1 TIME	PERFORMED TEMPORARY STORAGE RETURN TO SERVICE I.A.W. CESSNA 182 AHM CH. 19-39-00 PAG. 291 PAR. 3	AEP 2563239 JMC
/	/	/	/	/

## MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
1. MAY 2012	541	7	<p><b>RUAG</b>  RUAG AVIATION, CH-6596 GORDOLA</p> <p>N613DS, Cessna T182T, S/N 08424, TT: 541.7, Hobbs 630.5  ENGINE Lycoming TIO-540-AK1A, S/N L-12010-61E, TSN: 541.7, TSO: N/A  RUAG Aviation W/R Nr. 206859</p> <p><b>FOLLOWING TASKS HAVE BEEN ACCOMPLISHED I.A.W. CURRENT FARs</b></p> <ul style="list-style-type: none"> <li>- 200 Hrs/annual inspection tasks A, B, C, D, F, O, P, S, W, X.  per Cessna doc # SERDVD12-29, Rev 17, 1. Jul 2010</li> <li>- AD 71-13-01 R1 Licoming eng. model TIO-540-A series. N/A by eng. S/N</li> <li>- AD 2011-26-04 Fuel lines and support clamps inspection.</li> <li>- AD 2012-03-06 Avstar fuel servo diaphragm N/A by fuel servo P/N..</li> <li>- ADs current and updated up to biweekly 2012-08.</li> <li>- Additional works per work report .</li> </ul> <p>I certify that aircraft, airframe, aircraft engine, propeller or appliance identified above has been repaired and/or inspected in accordance with above reference listed inspection(s) and was determined to be in airworthy condition and approved for return to service only for the work performed  Pertinent details of the repair are held on file at this repair station under above mentioned Work Report Ref.</p> <p>Manfred Kyburz A&amp;P 2626179 IA  GORDOLA, 1.05.2012</p>	

C182T SIN T1820822  
N613ES

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
21. JUL 12	591	00	Performed inspection 50 hrs	WCC 4 A&P 2563238
17. OCT. 12			Performed Temporary Storage I.A.W. A.M. Cessna 182 CH. 10.11.00 Pwr. 3 - Replaced FAIRINGS. L.H. RH HLG.	A&P 2563238 WCC 4
06. DEC. 12			Performed Temporary Storage Return To Service I.A.W. Cessna 182 CH 10.30.00 Pwr. 3. Replaced Engine oil and Filter. Replaced Thermocouple I.T. P/N TE-12525-01.	A&P 2563238 WCC 4
26. JAN 13			Performed Temporary Storage I.A.W. Cessna 182 CH 10.11.00 Pwr. 3	A&P 2563238 WCC 4
02. APR 13			Performed Temporary Storage Return To Service I.A.W. Cessna 182 CH 10.30.00 Pwr 3	A&P 2563238 WCC 4

## MAINTENANCE RECORD *ENGINE N613ES*

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

### N613ES

FLIGHT TIME: 631.8

HOBBS: 730.6

CESSNA T182T

SN: T18208424

TTSN: 631:48

ENGINE LYCOMING TIO-540-AK1A

SN: L-12010-61E

TTSN: 631:48

PROP MCCAULEY B3D36C442/80VSB-1

SN: 042555

TTSN: 631:48

Work completed on engine: ANNUAL INSPECTION IAW FAR 43 APPENDIX D AND CESSNA T182T MM REVISION JULY 01, 2012 AS A GUIDE. ALL FAA AD'S COMPLIED WITH AS APPLICABLE UP TO BIWEEKLY 2013-10.

AD2011-26-04 FUEL LINES AND SUPPORT CLAMPS INSP. C/W.

AD2012-19-01 CRANKSHAFT N/A DUE TO DATE AND SN.

AD2012-24-09 TURBOCHARGER N/A FOUND KELLY AEROSPACE INSTALLED.

REPLACED STARTER BY NEW SKY-TEC 149NL SN: FN241254. WEIGHT AND BALLANS REVISION C/W.

I HEREBY CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

MAY 25<sup>TH</sup> 2013

BEYLIENS RUDI A&P 2493289 I.A.

STYL AVIATION ANTWERP AIRPORT

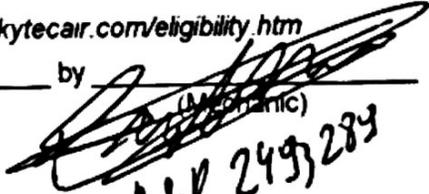
TEL: +32 (0)3 3227522 FAX: +32 (0)3 3223358

WWW.STYLAVIATION.COM

INFO@STYLAVIATION.COM

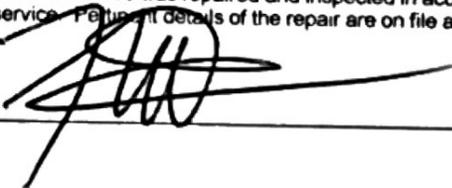



## MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
			<p><b>FAA - PMA</b></p> <hr/> <p>This tag certifies that Sky-Tec Model No <u>149-NL</u>                      Serial No. <u>FN-241254</u> was manufactured new on <u>18 Jun 2012</u>                      by Sky-Tec under the authority of FAA PMA No. PQ0852SW Supplement                      No <u>7</u> per CFR14 Part 21 in accordance with Sky-Tec's                      FAA-Approved Fabrication Inspection System (CFR14 Part 21 §21.303) and                      conforms to the relevant FAA-approved drawings. This part has been                      determined to be airworthy                      For installation eligibility see <a href="http://www.skytecair.com/eligibility.htm">www.skytecair.com/eligibility.htm</a>                      Starter Installed on <u>N 613ES</u> by                       (Aircraft) <span style="margin-left: 100px;">(Aircraft Mechanic)</span>  <span style="margin-left: 150px;">AKP 2493283</span></p>	

Form CC1108-1

## MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
			<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 30%;"> <p>ENGINE MODEL: ENGINE S/N: REG. NO 613ES WORK ORDER: 10192</p> </div> <div style="width: 30%; text-align: center;">  <p><b>Lincoln Park Aviation</b> 425 Beaverbrook Road Lincoln Park, NJ 07035 Phone: 973-633-0450</p> </div> <div style="width: 20%; text-align: center;">  </div> <div style="width: 15%;"> <p>DATE: 6/24/2013 A/C TSN: ENG TT: 663.4 TSMOH: TACH: 663.4</p> </div> </div> <p><b>Engine Entries</b></p> <p>(1) REMOVE STARTER P# 149-NL S# FN241234 INSTALL STARTER P# 149-NL/EC, S# FNE-071310 OPERATIONAL CHECK OK (2) INSTALL NEW BREAKER POINT KIT IN RIGHT AND LEFT MAGNETOS, RETIME MAGNETOS TO ENGINE, TEST RUN OK.</p> <p>The Aircraft, Airframe, Aircraft Engine, Propeller or Appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is Approved for return to service. Pertinent details of the repair are on file at this repair station under work order listed below.</p> <div style="display: flex; justify-content: space-between; align-items: flex-end; margin-top: 20px;"> <div>DATE: 6/24/2013</div> <div style="text-align: center;"> <p>SIGNED: </p> <p>Frank R Galella</p> </div> <div style="text-align: right;"> <p>Work Order: 10192</p> <p>Printed by EBis 3 (datcomedia.com)</p> </div> </div>	

# FAA - PMA

This tag certifies that Sky-Tec Model No. 149-NL/ec  
Serial No FNE-071310 was manufactured new on 21 Feb 2013  
by Sky-Tec under the authority of FAA PMA No. PQ0852SW Supplement  
No. 7 per CFR14 Part 21 in accordance with Sky-Tec's  
FAA-Approved Fabrication Inspection System (CFR14 Part 21 §21.303) and  
conforms to the relevant FAA-approved drawings. This part has been  
determined to be airworthy.

For installation eligibility see [www.skytecair.com/eligibility.htm](http://www.skytecair.com/eligibility.htm)

Starter Installed on **N** 613ES by FRG-III  
(Aircraft) (Mechanic)

Form CC1108-1

ENGINE MODEL:  
T10-540-AK1A  
ENGINE S/N: L-12010-61E  
REG. NO: 613ES  
WORK ORDER: 10253



## Lincoln Park Aviation

425 Beaverbrook Road  
Lincoln Park, NJ 07035  
Phone: 973-633-0450

DATE: 8/14/2013  
A/C TSN: 663.5  
ENG TT: 663.5  
TSMOH:  
HOBBS: 765

### Engine Entries

(1) COMPLETED OIL AND FILTER CHANGE, INSPECTED OIL FILTER AND FOUND NO CONTAMINATION. ADDED 9 QTS OF 15W50 OIL.... (3)  
COMPLIED WITH AD2011-13-03 NA I/A/W AD 2011-13-03 (h)... (4) COMPLIED WITH AD2011-26-04 I/A/W SB342F INSPECTION INSTUCTION.... (5)  
AD2012-03-06 P/C/W NA BY FUEL SERV P/N SEE LOG ENTRY 1 MAY 2012... (6) AD2012-24-09 PCW NA BY TURBO CHARGER, P/N SEE LOG  
ENTRY JUNE 1,2013

The Aircraft, Airframe, Aircraft Engine, Propeller or Appliance identified above was repaired and inspected in accordance with current regulations of the  
Federal Aviation Administration and is Approved for return to service. Pertinent details of the repair are on file at this repair station under work order listed  
below.

DATE: 8/14/2013

SIGNED:

Frank R Galella

INSPECTOR #2  
FRG III

Work Order: 10253

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## WORK RECORD

WORK PERFORMED

AUTHORIZED SIGNATURE  
CERTIFICATE TITLE  
& NUMBER



## MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
			<p><b>AIR ORLANDO</b></p> <p><i>Aircraft Service</i> →</p>	
			<p><b>Date:</b> 25-Feb-2014 <b>N613ES</b></p> <p><b>Make:</b> Lycoming <b>Model:</b> TIO-540-AK1A <b>S/N:</b> L-12010-61E</p> <p><b>Tach:</b> 689.0</p>	
			<p>Installed new valve cover gasket P/N 75906 on cyl. #5</p> <p style="text-align: center;"><i>Justin Patrick</i></p> <p style="text-align: center;">Justin Patrick A&amp;P 3616639</p>	

## MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE			
	HOURS	10THS		AUTHORIZED SIGNATURE CERTIFICATE TYPE & NUMBER
			<p>N613ES                      Date: 8-01-2014                      Tach: 717.2                      Engine TT: 717.2</p> <p style="text-align: center;">Performed a 100 Hr Inspection</p> <p>Installed 6 new URHM37E Tempest Plugs.                      Changed Oil with 8qts. Aeroshell 100W, Ground Run Ops. Check, No Leaks Found. Performed a compression check 76/78/78/78/78/78                      Checked mag timing at 25deg BTC. Cleaned, Gapped, Tested, and Rotated Plugs.                      I certify that this Engine has been inspected in accordance with a 100Hr. Inspection, as per. FAR 43 appendix D, and was found to be in airworthy condition.</p> <p>See AD Profile for current AD's                      Tdata 2014-15                      WO: 0982</p>	 _____ _____ _____ _____ _____ _____ _____

Smokey Mountain Aviation  
 Denton Brown A/P426060036



## MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
			<p>N613ES  Date: 9-01-2015  Tach: 746.6  Engine TT: 746.6</p> <p style="text-align: center;">Performed a 100 Hr Inspection</p>	
			<p>Changed Oil with 8qts. Aeroshell 100W Plus, and new AA48110-2 filter, cut filter, No Metal found. Ground Run Ops. Check, No Leaks Found.  Performed a compression check 76/78/78/76/78/78  Checked mag timing at 25deg BTC. Cleaned, Gapped, Tested, and Rotated Plugs.</p> <p>I certify that this Engine has been inspected in accordance with a 100Hr. Inspection, as per. FAR 43 appendix D, and was found to be in airworthy condition.</p>	
			<p>See AD Profile for current AD's  Tdata 2015-15</p> <p style="text-align: right;">Smokey Mountain Aviation  Denton Brown A/P426060036</p>	



## MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
			<p>N613ES  Date: 10-01-2016  Tach: 754.2  Engine TT: 754.2</p> <p style="text-align: center;">Performed a 100 Hr Inspection</p> <p>No oil change at this time.  Performed a compression check 76/78/76/76/78/78  Checked mag timing at 25deg BTC. Cleaned, Gapped, Tested, and Rotated Plugs.  I certify that this Engine has been inspected in accordance with a 100Hr. Inspection, as per. FAR 43 appendix D, and was found to be in airworthy condition.</p> <p>See AD Profile for current AD's Tdata 2016-18</p>	<hr/>
			<p>Smokey Mountain Aviation  Denton Brown A/P426060036</p> 	

## MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
			<p>N613ES  Date: 11-15-2017  Tach: 758.8  Engine TT: 758.8</p> <p style="text-align: center;">Performed a 100 Hr Inspection</p> <p>No oil change at this time.  Performed a compression check 76/78/76/76/78/78  Checked mag timing at 25deg BTC. Cleaned, Gapped, Tested, and Rotated Plugs.  I certify that this Engine has been inspected in accordance with a 100Hr.  Inspection, as per. FAR 43 appendix D, and was found to be in airworthy  condition.</p> <p>See AD Profile for current AD's      Smokey Mountain Aviation  Tdata 2017-22                                      Denton Brown A/P426060036</p> <p style="text-align: right;"></p>	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>



## MAINTENANCE RECORD

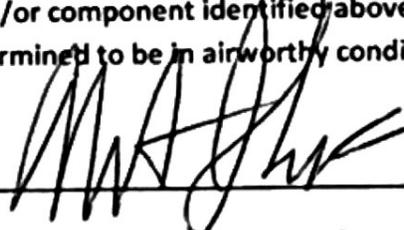
DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE <small>&amp; NUMBER</small>
	HOURS	10THS		

### ENGINE LOG ENTRY

Mesquite Aircraft Sales & Services	1350 Airport Blvd.	Mesquite, Texas 75181
Aircraft Reg. N613ES	AFSN: T18208424	DATE: 07/17/2019
		HOBBS: 982.4
		TACH 862.3
ENG. Manuf. LYCOMING	ENG Model-TIO-540-AK1A	ENG S/N L-12010-61E
		ETSN-862.3

- Cleaned, gapped and tested # 1 engine cylinder spark plugs. Reinstalled and torqued as required.
- Tighten all retaining screws on each engine rocker box cover as required.

I certify this aircraft, engine and/or component identified above was repaired and/or inspected in accordance with current F.A.A. regulations and was determined to be in airworthy condition and approved for Return to Service with respect to work performed.

Dated: July 17, 2019    Signed  Martin J. Sisk A&P/ I.A. 2820585

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MAINTENANCE RECORD

ENGINE LOG ENTRY

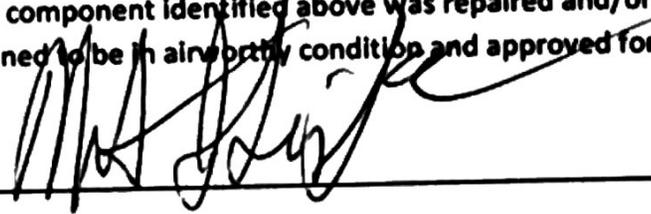
Mesquite Aircraft Sales & Services      1350 Airport Blvd.      Mesquite, Texas 75181

Aircraft Reg. N613ES      AFSN: T18208424      DATE: 07/23/2019      HOBBS: 982.4      TACH 862.3

ENG. Manuf. LYCOMING      ENG Model-TIO-540-AK1A      ENG S/N L-12010-61E      ETSN-862.3

- Drained engine oil and removed oil filter, cut open and inspected for metal, no ferrous metal noted. Serviced engine with 9 quarts Aeroshell 100W Plus and installed new CH48110-1 filter and safetied. Ground ran engine, no leaks noted.
- Removed all 6 rocker box cork gaskets and installed new silicone gaskets P/N 06826669, and torqued screws to 35 in.lb. in accordance with Lycoming Maintenance manual and Service Letter L272A. Ground ran and no leaks noted.
- Gained access to engine spark plugs and removed all existing plugs. Installed new Champion plugs P/N RHB37E with anti-seize thread compound. Torqued to specs and secured leads as required.
- Replaced all 6 cylinder head drain back hoses with new P/N STD1821 hoses. Torqued the cylinder head drain back hose clamps to 10 In Lbs. in accordance with Lycoming SSP-1776-4. Ground ran and no leaks noted at this time.
- Washed engine and compartment with varsol and air dried.

I certify this aircraft, engine and/or component identified above was repaired and/or inspected in accordance with current F.A.A. regulations and was determined to be in airworthy condition and approved for Return to Service with respect to work performed.

Dated: July 23, 2019      Signed       Martin J. Sisk A&P/ I.A. 2820585

ENGINE LOG ENTRY

Mesquite Aircraft Sales & Services

1350 Airport Blvd.

Mesquite, Texas 75181

Aircraft Reg. N613ES

AFSN: T18208424

DATE: 12/27/2019

HOBBS: 1028.6

TACH 903.8

ENG. Manuf. LYCOMING

ENG Model-TIO-540-AK1A

ENG S/N L-12010-61E

ETSN-862.3

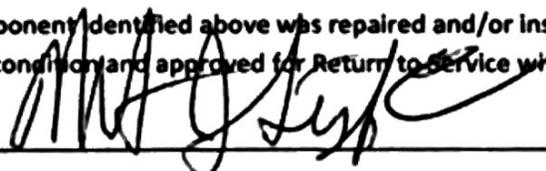
- Complied with 100 hour inspection on Lycoming Engine Model TIO-540-AK1A S/N L-12010-61E IAW Title 14 CFR part 43, Appendix D.
- Complied with A.D. research on Airframe, Engine and Prop. Current through 2019-24.
- Complied with A.D. 13-11-11 by inspection of engine oil pressure switch, noted switch P/N 83278 installed. Replacement due at 3,000 T.T.
- Complied with A.D. 2015-19-07 on engine fuel injector lines and clamps, no discrepancies noted on lines, clamps etc. Next due at Hobbs 1128.6.
- Performed engine compression checks and recorded the following engine compressions: #1: 78/ 80, #2: 78/80, #3: 78/80, #4: 77/80, #5: 78/80, #6: 78/80.
- Drained engine oil. Removed engine oil filter P/N CH48110-1, cut open and inspected, no discrepancies found at this time. Installed new engine oil filter P/N CH48110-1, torqued and satisfied. Serviced with 9 quarts of Aeroshell 100W Plus. Ground ran and no leaks noted.
- Removed carbon using glass media and vibrator. Re-gapped plugs and tested. Applied anti seize to plug threads and installed. Torqued to proper limits. Operational check good.
- Replaced various tyrap in engine compartment as required.
- Gained access to and removed Left and Right upper deck M.A.P. flex hoses. Installed new hoses P/N LW-18737 and secured in reference to Lycoming manual SSP-1776-4.
- Washed engine using varsol and air dried.
- NOTE- Steven Adams A&P/I.A 2713403 also performed maintenance.

SIGNATURE,  
TYPE  
ER

I certify this aircraft, engine and/or component identified above was repaired and/or inspected in accordance with current F.A.A. regulations and was determined to be in airworthy condition and approved for Return to Service with respect to work performed.

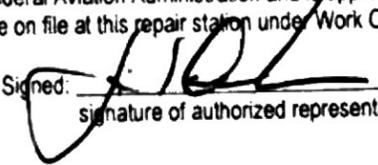
Dated: December 27, 2019

Signed



Martin J. Sisk A&P/ I.A. 2820585

## MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		ENGINE LOGBOOK ENTRY	AUTHORIZED SIGNATURE CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
			<p style="text-align: center;">ENGINE LOGBOOK ENTRY</p> <p style="text-align: center;">02/11/2020      N613ES      Tach: 910.6      TT: 910.6</p> <p>Installed new 6361 right magneto S/N 20010859 This aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service Pertinent details of the repair are on file at this repair station under Work Order 23314.</p> <p>Signed:  _____ signature of authorized representative</p> <p style="text-align: right;">Rite-Way Aviation, Inc. Repair Station YWYR832L 7814 Eagle Lane, Spring, TX 77379</p>	



**MAINTENANCE RECORD**

**Engine Log Entry**

DATE

N613ES

Lycoming TIO-540-AK1A

S/N: L-12010-61E

NATURE  
TYPE

3/23/2021

Tach: 963.4

TT: 963.4

Performed Annual Inspection per the requirements found in 14 CFR 43 Appendix D with the Cessna 182T MM used as an additional guide.

1. Performed engine run and inspected overall condition of installed engine.
2. Cleaned engine and engine bay.
3. Performed compression check: #1: 76/80, #2: 73/80, #3: 78/80, #4: 74/80, #5: 75/80, #6: 74/80.
4. Drained engine oil and removed, cut open and inspected oil filter.
5. Installed NEW oil filter P/N AA48110-2 and serviced engine with 8 quarts of Philips XC 20W-50 engine oil.
6. Checked magneto timing to engine specs on engine data plate.
7. Removed, cleaned, inspected, re-gapped, and rotated spark plugs from top to bottom.
8. C/W AD 15-19-07: Fuel Injector lines and clamps, by visual inspection. No deterioration of clamps or lines detected. Next inspection due at Tach: 1073.4 or after engine maintenance meeting the requirements of this AD.
9. Post maintenance run up and leak check was satisfactory.

END

I certify that this aircraft was inspected per the requirements for an Annual Inspection found in FAR 43 Appendix D and found to be in an airworthy condition.

Christopher R. Van Buskirk A&P/IA # 3594518



### MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
N613ES T182T TIO-540-AK1A			11/12/21  Tach: 983.7 Hobbs: 1119.2 S/N T18208424 S/N L-12010-G1F  Removed Puel Pump P/N RG17980U/M S/N C6048 and reinstalled after repair accomplished by D&G Supply Approval NK2R034L W/O # 41428 Form Tracking # 27730-1. Post install operational check normal with no leaks observed.  <div style="text-align: right;">                           Kevin Dagastino                          A&amp;P 2771650                     </div>	

## MAINTENANCE RECORD

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

2456 Winchester Rd Hgr 14  
 Memphis, Tennessee 38116  
 (21TR987Y)

### Total Air Group

901-396-9707  
 901-396-9708 Fax

CRS #: 21TR987Y

### Airworthiness Release

N: N613ES

S/N: T18208424

W/O: MEM13729

Hobbs: 1,128.10

TT: N/A

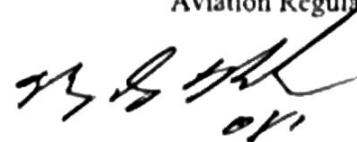
Cycles: N/A

INSTALLED NEW VACUUM PUMP PUMP P/N AA3215CC S/N N31639 REPLACED WITH P/N ON AA3225CC S/N  
 OP4EO8 IAW CESSNA 182 MM RAN ENGINE OPS CHECK GOOD.

--END--

The work identified above under the w/o number was performed and inspected in accordance with current Federal  
 Aviation Regulations and was found airworthy for return to service.

AMT:



Date:

12-16-21

## MAINTENANCE RECORD

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

N613ES      Date: 4/5/2022      Tach: 1000.8      Hobbs: 1139.9      TTSNEW:1000.8

Performed an Annual Inspection I/A/W a FAR 43 Appendix "D" checklist. Compressions are as follows: #1-78/80, #2-76/80, #3-79/80, #4-75/80, #5-79/80, #6-77/80. Tightened #2 cylinder oil return coupling. Changed oil and filter using CH48110-1 filter and Philips XC 20W50 oil. Cleaned, gapped, and tested all spark plugs. Complied with AD15-19-07 Fuel Injector Line inspection. All AD's are complied and current through this date. I certify that this engine has been inspected in accordance with an Annual Inspection and is in Airworthy condition.

*[Signature]*  
A&P/IA 3470889

12-6-22 N613ES Hobbs: 1010.0 total time engine 1010.0

Inspected engine in accordance with applicable sections of FAR 43 appendix D. Cut filter and inspect for metal—no defects noted. Compressions: #1 74/80 #2 75/80 #3 74/80 #4 74/80 #5 74/80 #6 73/80. I certify this engine has been inspected in accordance with a 100hr inspection and was found to be in airworthy condition. David Bogan A&P 455216543

*[Signature]*

1-6-23 N613S Hobbs 1166.4

Changed oil and filter. Serviced Aeroshell w100.  
David Bogan A&P 455216543

*[Signature]*

### MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE	DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
6-2-23	N613ES Hobbs: 1215.9	Changed oil and filter. Serviced Aeroshell w100. Run and leak test—no discrepancies noted. David Bogan A&P 455216543	
N613ES	07/31/2023	Tach: 1086	
		Removed and replaced oil seperator due to leak. Serviced A/C.	
		 AP3071998 Tim Sipp	
9-19-23	N613ES Hobbs: 1258.0	Changed oil and filter. Serviced with Aeroshell W100. David Bogan A&P 4552167543	

## MAINTENANCE RECORD

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

**N613ES Hobbs: 1274.7**

**Inspected fuel injector lines in accordance with AD 2015-19-07 and Cessna Service Bulletin No. 342G.**

**No defects noted. David Bogan A&P 455216543**

*David Bogan*

N613ES 01/25/2024 TACH: 1147 TT: 1147

Compression check #1-75/80, #2-75/80, #3-75/80, #4-78/80, #5-76/80, #6-75/80.

Installed new URHB37E plugs

Checked mag to engine timing.

I certify I have inspected this engine IAW Lycoming MM Annual inspection requirements and found to be in airworthy condition.

Return to service.

*T Sipp*  
Tim Sipp IA3071998

**MAINTENANCE RECORD**

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
3-15-24	N613ES		Changed oil and filter. Serviced Aeroshell w100. David Bogan A&P 455216543 <i>David Bogan</i>	

wo: WO\_1397

Engine - page 1 of 1



First Line Aero, LLC · 458 CR 1618 · Rusk, TX 75785 · 903-316-8331

**N613ES**  
TACH: 1438.4

**LYCOMING, TIO-540-AK1A, S/N: L-12010-61E**

**November 26, 2024**

Oil Drained and Analysis Sample Taken; Oil Filter Removed; New Filter Installed, Torqued and Safety Wired; Serviced with 7 qt of 20W50; Cowlings Installed, used 1 P/N AOA - Oil Analysis Kits, Installed P/N AA48110-2 - Tempest Oil Filter, and (7 qt) P/N XC20W50 - Oil. assisted by Uryan Aracena, apprentice. Test Ran Aircraft, No Leaks Found, all work done w reference to Cessna T182 and Lycoming Direct Drive MM. With respect to the work performed, this engine is approved for return to service.

T.J. Hunter A&P/IA 3554698

*T.J. Hunter*

# First X Line

AERO

First Line Aero, LLC · 458 CR 1618 · Rusk, TX 75785 · 903-316-8331

**N613ES**

**LYCOMING, TIO-540-AK1A, S/N: L-12010-61E**

**February 12, 2025**

HOBBS: 1450.5

*Eng TACH 1283.5*

1. C/W 100 HR Engine Inspection using a prepared checklist IRW FAR 43 Appendix D. Performed compression check 75/78/77/75/75/75 @80psi. Drained oil, took oil sample. Removed oil filter and replaced. Inspected oil sump screen, reinstalled w new crush gasket. Cleaned and tested spark plugs, rotated and reinstalled w new copper gaskets. Used 1 P/N AOA - Oil Analysis Kit, installed P/N AN900-16 - Crush Gasket, P/N AA48110-2 - Tempest Oil Filter, (7 qt) P/N XC20W50 - Oil, and (12) P/N M674 - Spark Plug Gasket.
2. C/W AD 2015-19-07 Engine Fuel line clamps by visual insp, clamped per SB/AD.

No leaks noted, all work performed w reference to Lycoming Direct Drive MM. With respect to the work performed, this engine is approved for return to service.

T.J. Hunter A&P/IA 3554698

