N2162L

2005 Cessna 182T

Engine Logbook

SNEW

2005 - 2024

MSN: 18281662

Prepared by the worldwide aviation specialists at RidgeAire, Inc.

Cessna
A Textron Company

ENGINE MAINTENANCE RECORD

AIRCRAFT SERIAL AND REGISTRATION 182811662 N2162L

ENGINE MODEL AND SERIAL IO-540-AB1A5 L-30589-48E

D5518-3-13

INSTRUCTIONS

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

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

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
2005				18281662
07/18				

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 IO-540-AB1A5 SERIAL NO. L-30589-48E

DATE 6/14/05 J. Middlesworth Jr.

(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 HOURS	TOTAL TIME IN SERVICE 10THS	DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
2005 09/22	3	9	Engine model IO-540-AB1A5, S/N L-30589-48E has been installed on aircraft # 18281662. This engine serviced with Phillips Aviation oil type M 20W50 weight.	ODARF100129CE
12-28 2005	38	8	CHANGED OIL AND FILTER, SERVICED SUMP WITH PHILLIPS 20W-50 TYPE M. -END-	1A6154944
01-23 2006	55	5	CHANGED OIL AND FILTER - CLEANED SCREEN - SERVICED SUMP WITH AEROSHELL ASW 100 -END-	A.P. 2827152
MARCH 16 2006	106	3	CHANGED OIL AND FILTER. SERVICED SUMP W/ AEROSHELL 100. LEAK ✓ OK. -END- 1A6154944	

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE HOURS	TOTAL TIME IN SERVICE 10THS	DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
MAY 11 2006	158	0	CHANGED OIL AND FILTER, CHECKED SCREEN. SERVICED SUMP W/ AEROSHELL 100. RUNUP + LEAK ✓ OK. -END-	1A6154944
July 26 2006	207	2	CHANGED OIL AND FILTER, SERVICED SUMP W/ ~~AEROSHELL 100~~ AEROSHELL 100. WASH AND LEAK CHECK GOOD. —END	AP 3105540
SEPT 28 2006	256	5	CHANGED OIL AND FILTER. SERVICED SUMP W/ AEROSHELL 100, CHECKED TIMING AND COMPRESSIONS - #1 75/80 #2 78/80 #3 79/80 #4 78/80 #5 78/80 #6 78/80. REPLACED ALL SPARK PLUGS W/ NEW REM38E, RETORQUED ALL VALVE	
			COVER SCREWS AND CYL DRAIN CLAMPS, C/W AD 2002-26-01. NEXT DUE @ 356.5, CHECKED ADS FOR COMPLIANCE THRU ISSUE 2006-19. WASHED ENGINE, RUNUP AND LEAK ✓ OK. "I CERTIFY THIS ENGINE HAS	
			BEEN INSPECTED IAW ANNUAL/100 HOUR INSPECTION PROCEDURES, AND IS APPROVED FOR RETURN TO SERVICE!" -END-	1A6154944

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE HOURS	TOTAL TIME IN SERVICE 10THS	DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
11-17 2006	310	0	Changed engine oil and filter. Checked and cleaned screen. Serviced w/ 9qts Phillips 20w50X/C. Leak check normal. -End-	AP+878753
Jan 11 2007	357	2	Changed engine oil and filter. Checked and cleaned suction screen. Serviced sump w/ 9qts Phillips 20w50 X/C, Leak check normal. C/W AD 2002-26-01 by visual inspection	
			of fuel injection lines and clamps. Cleaned, gapped and rotated spark plugs. Run-up and leak check normal.	AP+828753
3-22 2007	404	1	CHANGED OL AND FILTER, SERVICED SUMP WITH 9QTS OF PHILLIPS X/C 20W50 OIL. RUN UP AND LEAK CHECK NORMAL. ——— END ———	1A61549441

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE HOURS	TOTAL TIME IN SERVICE 10THS	DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
24 May 2007	Tach 556.6 Hobbs 540.5		Drained oil, Soap sample taken, Replaced oil filter, cut open old filter, no material found at this time. Added 7 Qts Phillips 20w50xc oil, Installed oil quick drain plug. Ground run opg/leak ck all ok. C/W AD 2002-26-01 by visual insp of fuel lines. No defects noted at this time. AD Next due at tach 556.6 or annual.	AP28165931A
Aug 18 2007	506	9	CHANGED OIL + FILTER, SERVICED SUMP W/ PHILLIPS XC 20W-50. REPLACED ALL SPARK PLUGS. CHECKED COMPRESSIONS - #1 74/80 #2 76/80 #3 76/80 #4 74/80 #5 79/80 #6 74/80. REMOVED + REINSTALLED L+R MAGNETOS AFTER 500 HOUR MAG INSPECTION -	
			SEE 8130 FORMS @ REAR OF LOGBOOK. TIMED TO ENGINE. C/W AD 2002-26-01. NEXT DUE @ 606.9. CHECKED ADS FOR COMPLIANCE THEN ISSUE 2007-16. "I CERTIFY THIS ENGINE HAS BEEN INSPECTED IAW ANNUAL/100 HOUR INSPECTION	
			PROCEDURES, AND IS APPROVED FOR RETURN TO SERVICE." -END-	1A61549441

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE HOURS	TOTAL TIME IN SERVICE 10THS		AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
			AIR ORLANDO AIR ORLANDO MAINTENANCE, INC. **Date:** 1-10-2008 **N2162L** **Make:** Cessna **Model:** 182T **S/N:** 18281662 **Tach:** 560.8 Changed oil and filter. Cut oil filter and inspected, no metal found at this time. Removed, inspected, cleaned and re-installed oil suction screen. Installed new CH48110-1 oil filter. Serviced sump with 9qts. Phillips 20w50X/C oil. Run-up and leak check normal.—END— *The aircraft listed above has been inspected and repaired IAW manufacturer's maintenance manuals and current FAA regulations and is approved for return to service.* Jeff Huddleston AP2828753	

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE HOURS	TOTAL TIME IN SERVICE 10THS	DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
7.2.08	602	7	CHANGED OIL & FILTER. INSTALLED NEW KELLY AERO ES 48110 OIL FILTER. SERVICED SUMP WITH 9 QTS. PHILLIPS 20W50 X/C OIL. RON-UP + LEAK CHECK OK	AR 2359740
9/16/08	624	0	C/W S.B. 3-08A REPLACED CARBON BRUSH WITH P/N AM3215 AND CAM PIN AM3611 BOTH MAGNETOS, S.B. 3-08A NO LONGER APPLIES TO	
			P/N 6351, S/N 05051093 & S/N 05051092 MAGS COMPLETED 500HR INSPECTION BOTH MAGS, ADJUSTED CONTACTS & TIMING	CRS# XRSRITSY WO# 08437
9/16/08	624	0	C/W ANNUAL Inspection This Date. Comp #4 7/80 #5 7/80 #6 7/80 Changed oil; Filter, Services with 8 Qts Philips 20W50. Filter Inspection Shows No Contamination. C/W SB3-08 on Slick Mags, Replaced Carbon brushes, Reinstalled & Timed to Engine. OPS ✓ Good. C/W AD 2002-26-01	#2 7/80 #3 7/80 #4 7/80
			Visual Inspection of Fuel Inj Lines, No Defects Pure Again All Spark Plugs w/ New CREM-38. Cleaned, Inspected, Reinstalled A.C. Filter. Engine Oil Pressure Sender Replaced with New P/N P165-5281. Engine	724 Tach.
			Replaced All Rocker Gaskets w/ Silicone P/N SLR 75906. Otherwise Serviced As Needed. Wash Down, OPS & Leak ✓ Good. Approved For Return to Service. M.G. Lawson AP2670241	

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE HOURS	TOTAL TIME IN SERVICE 10THS	DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
11.20 08	648	00	OIL PHILLIPS CC X/C SAE 20W-50 8 QRTS OIL FILTER REALLY GOOD CS 48110 REPLACED. OLD OIL FILTER CUT + INSPECTED OK CHECKED FOR OIL LEAKS. OK	[illegible] A&P 2357440
4.7 09	693	00	REPLACED OIL + FILTER: PHILLIPS CC X/C SAE 20W-50 8 QRTS. TRUPOST AA 48110. "CAN GUARD" ADDED TO OIL ENGINE RUN-UP NO LEAKS. OIL FILTER CUT + NO METAL RESIDUE FOUND	[illegible] A&P 2357440
10/1/09	733	00	100 HOUR WAS DONE IN ACCORDANCE with FAR'S 43 Appendix D Check List 1. Compression Check #1 78/80 #2 80/80 #3 79/80 #4 80/80 #5 78/80 #6 79/80 2. Change ENGINE OIL AND Filter	
			3. CLEANED AND GAPPED SPARK PLUGS 4. Checked Fuel System 5. Tighten ALL INTAKE PIPES + ADAPTORS	
			6 INSPECT MAGS AND Check Timmings 7. WASH ENGINE 8. LUBED ENGINE CONTROLS	

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE HOURS	TOTAL TIME IN SERVICE 10THS	DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
10/1/09 CONT	733	00	9. Checked all ENGINE ACCESSORIES 10. checked EXHAUST PIPES AND SHROUDS 11 checked AD's ONLY ONE NEW AD 09-02-03 -) AD 63-14-02	EXEmpt
			12. AD's 03-1403 N/A (AD 08-19-05 A/N By Model	
			Date 10/1/09 Tach Time 733 Total Time 733 Time S/M/O I Certify That This ENGINE Has Been	
			Inspected In Accordance With A 100 Hour / ANNUAL Inspection And Was Determined To Be In Airworthy Condition. A&P/A/ Edwin W. Stewart	
			Edwin W. Stewart 004341188	

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE HOURS	TOTAL TIME IN SERVICE 10THS	DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
11.29 09	773	10	OIL REPLACED PHILIPS 66 X/C SAE 20W-50 8 QUARTS. OIL FILTER REPLACED KELLY AERO ES 48110, OIL FILTER CUT + INSPECTED FOUND OK. ENGINE RUN UP. CHECK FOR OIL LEAKS OK	AR 2359740
3.19 10	812	40	OIL CHANGE PHILIPS 66 X/C SAE 20W-50 8 QUARTS, OIL FILTER REPLACED KELLY AERO ES 48110, OIL FILTER CUT + INSPECTED OK ENGINE RUN UP OK	AR 2359740
10/22/2010	869.	0	INSPECTION WAS DONE IN ACCORDANCE WITH FARS 43 APPENDIX D Check List 1. Compression Check #1 79/80 #2 79/80 #3 78/80 #4 79/80 #5 78/80 #6 79/80	
			2. Changed Eng oil + Filter, 3 New Spark Plugs 4 Check mags 5. Check ADs No New ones	
			6. Wash Down Engine A+P Edwin W Stewart 004 341188	

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE HOURS	TOTAL TIME IN SERVICE 10THS	DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
			Date 10/22/2010 Tach Time 869	
			Total Time _____ Time S/M/O _____ I Certify That This ENGINE Has Been Inspected In Accordance With A 100 Hour/ANNUAL	
			Inspection And Was Determined To Be In Airworthy Condition. A&P/I.A. Edwin W Stewart Edwin W. Stewart 004341188	
2/9 2011	914	—	OIL REPLACED PHILLIPS 66 X/C SAE 20W-50 8 QUARTS. FILTER NOT REPLACED THIS TIME 12 OZ CAMGUARD ADDED	AR 2359740
6/8 2011	941		OIL CHANGED: PHILIPS 66 X/C SAE 20W-50 8 QUARTS, CAM GUARD 16 OZ FILTER CHANGED TEMPEST AA 48110, SUCTION SCREEN CHECKED OK	AR 2359740

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE HOURS	TOTAL TIME IN SERVICE 10THS	DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
11-02-2011	980.	0	Checked Spark Plugs; Checked MAGENTOS Checked For oil leaks Compression	
			1 78/80 2 79/80 3 78/80 4 78/80 5 78/80 6 79/80 Date 11-02-2011 Each Time Hours 4168.2 980.0 Total Time 980.0 4168.2 Hours Time S/M/O —— I Certify That This ENGINE Has Been Inspected In Accordance With A 100 Hour/ANNUAL	
			Inspection And Was Determined To Be In Airworthy Condition. A&P/I.A. Edwin W Stewart Edwin W. Stewart 004341188	

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE HOURS	TOTAL TIME IN SERVICE 10THS	DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
3/22 2012	1021	00	ENGINE OIL CHANGED PHILIPS XLC 20W/50. OVERALL INSPECTION OK	A&P 2359740
7/27 2012	1052	00	ENGINE OIL + FILTER CHANGED PHILIPS X/C 20W/50 AA 48110 TEMPEST OIL FILTER CUT INSPECTED OK	A&P 2359740
11-29-12	1079	00	100 Hour Inspection/ANNUAL New Plug's, New oil and Filter New Vacuum Pump S/N 002W06 and Filters Date 11-29-2012 Each Time 1079.00	
			Total Time 1079.00 Time S/M/O 1079.00 I Certify That This ENGINE Has Been Inspected In Accordance With A 100 Hour/ANNUAL	
			Inspection And Was Determined To Be In Airworthy Condition. A&P/I.A. Edwin W Stewart Edwin W. Stewart 004341188	

MAINTENANCE RECORD

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

Boxell

Boxell Aerospace Company
2700 Fort Trenholm Rd.
Johns Island, SC 29455
843-860-4486

Eng. Page: 1 of 1

AC: Cessna 182 **REG:** N2162L **AC S/N:** 18281662 **Hobbs:** 1240.4
ACTT: UNK **Cycles:** N/A **WO:** 12-137 **Date:** 8/9/2012
#1 Eng Type: IO-540 –AB1A5 **#1 ENG S/N:** L-30589-48E **#1 ENG TT:** UNK **#1 ENG TACH:** UNK

Complied with the following inspections / Tasks:
-C/W 500 hr inspection on left magneto only.

The article identified above was repaired and inspected in accordance with current FAA regulations and was found to be airworthy and is approved for return to service.

Thomas E. Randall
AP3614134IA

Maintenance Items:
-Removed left magneto and performed a 500 hr inspection. Replaced out of tolerance parts. Installed same magneto, same position and set mag to engine timing.
-Removed right magneto, model 6351, SN 05051093 and installed factory new magneto model 6351, SN 12050731. Ground run leak and ops checked good.
-All pertinent details filed under this work order.

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE HOURS	TOTAL TIME IN SERVICE 10THS	DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
4/23 2013	1111	—	ENGINE OIL REPLACED: PHILLIPS X/C 20W-50 CAM GUARD 16 OZ ADDED	A&P 2359740
5/8 13	1141		ENGINE OIL CHANGED PHILLIPS X/C 20W-50 CAM GUARD 16 OZ ADDED OIL FILTER CHANGED TEMPESTED AA 48110-2	A&P 235 9740
11/08/13	1171		100 HOUR WAS DONE IN ACCORDANCE WITH FAR'S 43 APPENDIX D. CHECK LIST AND LYCOMING MFR 1. NEW SPARK PLUGS, COMPRESSION CHECK #1 78/80 #2 78/80 #3 78/80 #4 78/80 #5 78/80 #6 79/80 MAG TIMMING OK LANDGEAR INSP	
			LUBE ALL FLIGHT CONTROLS, CHECK ADS	Date 11-08-2013 Tach Time 1171 Total Time 1171 Time S/M/O ____ I Certify That This AIRCRAFT ENGINE Has Been Inspected In Accordance With A 100 HOUR / ANNUAL Inspection And Was Determined To Be In Airworthy Condition. A&P/I.A. Edwin W Stewart

Edwin W. Stewart 004341188

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE HOURS	TOTAL TIME IN SERVICE 10THS	DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
4/12 14	1128		OIL & FILTER CHANGED PHILIPS XC 20W-50 TEMPEST AA 48110-2 CAM GUARD OIL FILTER OPENED & CHECKED OK	AK 235 9740
11/11 14			Date 11-11-14 Tach Time 1364.0 Total Time 1364.0 Time S/M/O - I Certify That This ENGINE Has Been Inspected In Accordance With A 100Hour/ANNUAL Inspection And Was Determined To Be In Airworthy Condition ASP/I.A. Edwin W Stewart Edwin W. Stewart 004341188	
8/12 15	~~133~~ 1333	~~3~~ 60	OIL & FILTER CHANGED PHILIPS XC 20W/50 TEMPEST AA 48110 OIL FILTER OPENED : OK	AK 235 9740

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE HOURS	TOTAL TIME IN SERVICE 10THS	DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
12-09-15	1361	.2	1. CLEAN All FUEL INJECTORS - REPLACED 2. AV 25 24 864-2 2. REPLACED All SPARK PLUGS 3. CHANGED ENGINE OIL AND FILTERS 4. COMPRESSION CHECK #1 79/80 #2 79/80 #3 80/80 #4 79/80 #5 79/80 #6 80/80	
			5. Air INTAKE FILTER - CLEAN & INSPECTED 6. Check MAG TIMING Date 12-09-15 Tach Time 1361.2 Total Time 1361.2 Time S/M/O I Certify That This ENGINE Has Been Inspected In Accordance With A 100Hour/ANNUAL Inspection And Was Determined To Be In Airworthy Condition. ASP/I.A Edwin W Stewart Edwin W. Stewart 004341188	
21/11/16	1386	.3	ENGINE STARTER MOTOR REPLACED WITH SKY TEC LYCOMING STARTER MOTOR INSTALLATION CHECKED OK	AK 235-9740

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE HOURS	TOTAL TIME IN SERVICE 10THS	DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
7/11/16	1396	00	OIL + FILTER CHANGED PHILLIPS 20W50 CAR QUARTS TEMPES T 4810 PROPELLER BLADES SHOOTING + WAXED. FILTER CUT OPEN. CHECKED OK.	AR 2240 235
Ft 68.8			ENGINE RUN UP OK	
12/16/16	1430	.0	1. Compression Check #1 79/80 #2 79/80 #3 80/80 #4 79/80 #5 80/80 #6 80/80 2. Changed oil + Filter 3. Cleaned Spark Plugs. 4. Changed Air Filter 5. Check ADs + Service Bulletins	

Date 12-16-16 Tach Time 1430.0

Total Time 1430.0 Time S/M/O

I Certify That This ENGINE Has Been

Inspected In Accordance With A ANNUAL / 100 Hour

Inspection And Was Determined To Be In Airworthy Condition.

A&P/I.A. Edwin Stewart

Edwin W. Stewart 004341180

MAINTENANCE RECORD

DATE	TO IN HOUR			AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER

DAYTONA AIRCRAFT SERVICES

N2162L (Engine) **4/05/2017**

Cessna 182T S/N: 18281662 **Tach: 1435.5**

Engine M/N: IO-540-AB1A5 **S/N: L-30589-48E**

Performed the following maintenance:

1. Drained the engine oil. Removed, cut open, and inspected the oil filter, no defects noted. Installed a new oil filter (P/N: CH48110-1) and serviced the engine with 12 quarts of Phillips 20W50 X/C oil. Leak checks found to be satisfactory.

All work was performed with current regulations of the FAA and is approved for return to service. Details are on file at this Repair Station under WO #13180.

Daytona Aircraft Services, Inc.
561 Pearl Harbor Drive
Daytona Beach, Florida 32114

Authorized Signature WMcG

FAA CRS DYTR262K

----------END----------

Engine

New Garden Aviation, LLC
New Garden Flying Field
PO Box 481 / 1235 Newark Rd
Toughkenamon, PA 19374
610-268-2048/Fax 610-268-0342

DA

N2162L
Tach: 1466.2
Hobbs:1730.6

10/03/2017

Make: Cessna C-182T S/N:18281662 Engine: Lycoming IO-540-AB1A5 S/ N: L-30589-48E
Changed Oil and Filter - Add 9 Quarts Aero shell 5W-50 – Cut open Filter and Inspect, No Contamination Observed (OK) .

Ground Run and Released to service

Everitt B duPont

Everitt B duPont A&P 3341870 IA

MAINTENANCE RECORD

TOTAL TIME

A/C Reg # : N2162L
A/C Ser # : 18281662
A/C Make / Model : Cessna / 182T
W.O # : 11746

A/C TT : 1467.30
A/C Tach : 1467.30

Date :1/18/2018

Eng Make : Lycoming
Eng Model : IO-540-AB1A5
Eng Ser # : L-30589-48E

Eng TT : 1467.30

1 Complied with an Annual Inspection in accordance with 14 CFR Part 91.409 (a)(1), Part 43.15 and Part 43, Appendix D and servicing items. Drained engine oil and installed new filter P/N CH48110-1. Cleaned and gapped spark plugs. Cleaned screens. Serviced engine with Phillips 20W50 XC oil. Comp. results: 74/76/73/78/75/74 over 80. Performed engine run, leak check and ops check good.

2 Complied with AD15-19-07 Fuel Injector Line Inspection with no defects noted. Recurring AD inspection next due in 110 hrs (1577.3 ACTT) or after any 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. AD list updated.

3 Reviewed Lycoming connecting rod bushing AD 17-16-11 and reviewed aircraft maintenance records. Determined AD does not apply due to no affected maintenance occurred during affected time frame. AD list up dated.

I certify that this engine was repaired and/or inspected in accordance with current FAA regulations and is airworthy with respect to the work performed and is approved for return to service. Pertinent details are on file under the work order identified above.

SummitAviation
A GREENWICH AEROGROUP COMPANY

Timothy L. Monroe
Summit Aviation, Inc.
SMTR2081 Airframe Class 3, Radio 1, 2, 3

MAINTENANCE RECORD

DATE | TOT IN SI | HOURS | IZED SIGNATURE, IFICATE TYPE NUMBER

ENGINE MODEL:
IO-540-A1B1A5
ENGINE S/N: L-30589-48E
REG. NO: N2162L
WORK ORDER: 18218

Lancaster Aero, LLC.
311 Airport Drive
Box 7
Smoketown, PA 17576
Phone: 717-394-5805

DATE: 1/10/2019
A/C TSN: 1555.9
ENG TT: 1555.9
TSMOH:
TACH: 1555.9

Engine Entries

· Complied with engine 100 hour inspection Items. Cleaned and gapped spark plugs and checked magneto timing.
· Compression test: #1 72/80 #2 72/80 #3 78/80 #4 78/80 #5 78/80 #6 72/80
· Changed oil and filter. Cut old filter open and inspected for contamination. No discrepancies noted. Serviced with Philips 20W-50.
· Removed, cleaned, and reinstalled fuel injector nozzles.
· Replaced gasket for oil pressure relief valve.
· Cleaned engine.
· Complied with A.D. 15-19-07 injector line inspection, no discrepancies noted. Next due at tach time 1665.9.
· Completed ground run, no discrepancies noted.

I certify that this engine has been inspected in accordance with an Annual Inspection and has been determined to be in Airworthy condition.

DATE: 1/10/2019 SIGNED: Dallas Glick
Dallas Glick, IA 3571893

Work Order: 18218

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ENGINE ENTRY

DATE | TOT IN SI | HOURS | SIGNATURE, ATE TYPE MBER

"N" #:	Make:	Model:	Serial #:	Tach Time:	Date:
N2162L	CESSNA	182T	18281662	1573.3	04/23/2019

Description

1. **COMPLIED WITH PRELIMINARY INSPECTION** IN ACCORDANCE WITH 14 CFR 145.211(c)(ii).
2. **#6 CYLINDER HAS COMPRESSION AT LIMITS** – INSPECTED #6 CYLINDER AND FOUND COMPRESSION AT LIMITS AND LEAKING PAST EXHAUST VALVE. REMOVED CYLINDER AND INSTALLED REPAIRED P/N LW13870. SERVICED ENGINE WITH 9 QTS OF AEROSHELL 100 MINERAL OIL. GROUND RAN, OPERATIONAL AND LEAK CHECK GOOD. WORK PERFORMED IAW LYCOMING SERVICE TABLE OF LIMITS SSP-1776 AND IO-540-AB1AS OVERHAUL MANUAL, APPLICABLE SECTION OF SECTION 6. NEW COMPRESSION READING IS 74/80. MINERAL OIL CHANGE DUE IN 25 HOURS OR 1598.3 TACH.
3. **#1, #2- & #4- CYLINDER INDUCTION TUBE HOSES FRAYED** – REMOVED AND REPLACED #1, #2 & #4 INDUCTION TUBE HOSES WITH NEW P/N 69603. GROUND RAN, NO LEAKS NOTED. WORK PERFORMED IAW LYCOMING IO-540-AB1A5 SERVICE TABLE OF LIMTS SSP-1776.

**********MAINTENANCE RELEASE**********

THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY UNDER WORK ORDER NO. **95779.**

EAGLE AVIATION.

SIGNED BY: _____ FOR
EAGLE AVIATION, INC., 2861 AVIATION WAY, WEST COLUMBIA, SOUTH CAROLINA 29170
FAA APPROVED REPAIR STATION NO. FEHR859D

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
8/8/19	1875	.2	Replaced Vacuum pump part# NA3215CC Ran engine, tested ok. L Wagenaar A&P 3611579 IA	

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE			AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS		
			Summit Aero Excellence in Aircraft Maintenance	
			A/C: N2162L_____ Eng Mod :Lyc- IO-540-AB1A5 S/N: 18281662__ Eng Sr. :L-30589-48E A/C TSN: 1586.3 ENG TT. : 1586.3 TSMOH:_____ TACH:_____	
			Performed annual inspection on engine I.A.W. FAR43 Appx D. 1. Cleaned and gapped sparkplugs 2. Serviced engine with 9 qts Aero Shell 100, replaced oil filter CH48110-1 3. Replaced EGT temp sensor on Cyl #1 (part number PN86343) 4. Compression test: 1-72, 2-68, 3-72, 4-78, 5-76, 6-78/80 5. Test ran engine no leaks found	
			I certify that this engine has been inspected I.A.W. an annual inspection and was found to be in airworthy condition. DATE:4/4/2020 Lucas Wagenaar A&P 3611579 IA	

DATE	TOTAL IN SER HOURS		AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER

Summit Aero
Excellence in Aircraft Maintenance

A/C: N2162L_____ Eng Mod :Lyc- IO-540-AB1A5
S/N: 18281662__ Eng Sr. :L-30589-48E
TSMOH:_1595.3_ ENG TT. :_1595.3_____

Performed annual inspection on engine I.A.W. FAR43 Appx D.
1. Cleaned and gapped sparkplugs
2. Serviced engine with 9 qts Aero Shell 100, replaced oil filter CH48110-1
3. Compression test: 1-71, 2-72, 3-78, 4-78, 5-78, 6-78/80
4. Sprayed down engine with PSC1000
5. Test ran engine no leaks found

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

DATE:5/5/2021
Lucas Wagenaar A&P 3611579 IA

MAINTENANCE RECORD

DATE	TOTAL T IN SER HOURS		AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER

Summit Aero
Excellence in Aircraft Maintenance

A/C: N2162L_____ Eng Mod :Lyc- IO-540-AB1A5
S/N: 18281662__ Eng Sr. :L-30589-48E
TSMOH:_1596.5_ ENG TT. :_1596.5_____

1. Performed annual inspection on engine I.A.W. FAR43 Appx D.
2. Cleaned and gapped sparkplugs
3. Compression test: 1-70, 2-74, 3-74, 4-78, 5-76, 6-78/80
4. Test ran engine no leaks found

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

DATE: 8/16/2022
Lucas Wagenaar A&P 3611579 IA

MAINTENANCE RECORD

DATE | H |) SIGNATURE, ATE TYPE MBER

wo: WO_985

Engine · page 1 of 1

First Line AERO

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

3/20 2023

N2162L **LYCOMING, IO-540-AB1A5, S/N: L-30589-48E** **March 20, 2023**

TACH: 1601.8

Performed pre-buy insp. Compression test cylinders 63, 70, 78, 76, 72, 74/80 , cleaned, tested and reinstalled spark plugs with new washers. Drained oil, took oil sample, inspected oil screen and filter media. Replaced oil filter. Serviced oil with Phillips XC20W50, P/N AN900-16 - Crush Gasket, P/N AA48110-2 - Tempest Oil Filter, P/N AOA Oil Sample Kit, Installed (8 qt) P/N XC20W50 - Oil, (12) P/N M674 - Spark Plug Gasket. Work done in ref to 182MM and Lycoming MM as required. Leak check performed after mx, no leaks noted. With respect to the work performed, this engine is approved for return to service.

T.J. Hunter A&P/IA 3554698 Thomas Hunter

wo: WO_985

Airframe · page 1 of 1

First Line AERO

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

N2162L **CESSNA, 182T, S/N: 18281662** **March 20, 2023**

TACH: 1601.8

C/W 12 MO Garmin standby battery capacity check, and main aircraft battery capacity check. Ops check normal after test. With respect to the work performed, this aircraft is returned to service.

T.J. Hunter A&P/IA 3554698 Thomas Hunter

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE HOURS	TOTAL TIME IN SERVICE 10THS	DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
7/18/23	1610	2	Replaced Servo RSA-5ADI part # 257654-3 due to fuel leak. Tested for Leak	
			Test ran engine no problem found Lucas Wagenaar A&P-IA 3611579	

Summit Aero

Excellence in Aircraft Maintenance

A/C: N2162L_____ Eng Mod :Lyc- IO-540-AB1A5

S/N: 18281662__ Eng Sr. :L-30589-48E

TSMOH:_1610.8_ ENG TT. :_1610.8_____

1. Performed annual inspection on engine I.A.W. FAR43 Appx D.
2. Cleaned and gapped sparkplugs
3. Compression test: 1-72, 2-66, 3-70, 4-80, 5-78, 6-78/78
4. Test ran engine no leaks found

I certify that this engine has been inspected I.A.W. an annual inspection and was found to be in airworthy condition at the date of inspection.

DATE: 8/15/2023

Lucas Wagenaar A&P 3611579 IA

DATE	TOTAL TIME IN SERVICE		AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10THS	

MAINTENANCE RECORD