



# ENGINE MAINTENANCE RECORD

5

## TEXTRON Lycoming

652 Oliver Street  
Williamsport, PA 17701 U.S.A.  
717/323-6181

ENGINE SERIAL NUMBER

IN SERVICE DATE  ENG.  
T.T.

DETACH AND RETAIN THIS PORTION FOR YOUR RECORD

AIRCRAFT SERIAL AND REGISTRATION 18280236 N3314S

ENGINE MODEL AND SERIAL I0-540-AB1A5 R-26295-48A

### 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		
19 <u>98</u>				

**NEW RECIPROCATING ENGINE CERTIFICATE**

This is to certify that the engine as described hereinafter has been manufactured run-in and tested as prescribed by **TEXTRON LYCOMING** specifications and Federal Aviation Regulations. No further run-in is required. All applicable Federal Aviation Administration Directives and Textron Lycoming Service Bulletins have been complied with at time of Manufacture.

MODEL IO-540-AB1A5 SERIAL NO. L-26295-48A

DATE 12-5-97 R.C. Ohmeis  
(AUTHORIZED REPRESENTATIVE)


**TEXTRON Lycoming** 652 Oliver Street  
Williamsport, PA 17701 U.S.A.

FORM NO. 777-B (Rev. 3/94)

**MAINTENANCE RECORD**

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
19 98				
5/18/98	0	0	Engine model IO-540-AB1A5, S/N <u>X-26295-48A</u> has been installed on aircraft # <u>18280236</u> . This engine service with Phillips Aviation oil type M 20W50 weight.	FAA APPROVED UNDER FAR 21 SUBPART J The General Aircraft Co. Delegation Option Manufacturer OE-1 <i>Michael W. Phillips</i> Executive Engineer By <i>[Signature]</i> Dick Plesch
7/10/98	26	4	changed oil with Aeroshell SAE 50 (mineral) 9qts total. changed oil filter (CH 48110), Test run - no leaks safety wired.	<i>Stephen Finley</i> # 26447125

**MAINTENANCE RECORD**

DATE	TOTAL IN SERVICE	DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, TYPE & NUMBER
	HOURS		
19 98			
			
		<b>MAINTENANCE RELEASE</b> * Change oil and filter, cut and inspect oil filter (OK). Install oil quick drain valve Part# CCA37000. CW AD 98-01-14 In Acc with SB98-78-02. (Due@ 55.0 hrs) Run up and leak check All OK.	
		* Aeroshell SAE 40 Mineral	
		The aircraft, airframe, aircraft propeller engine identified above was repaired and inspected in accordance with current manufacturer's maintenance manuals and pertinent Federal Aviation Regulations and is approved for return to service. The details of the repair are on file under	
		Work Order No <u>0864</u> Date <u>7/98</u> Tach <del>0-30</del> <u>30.0</u> S.F. Inspector: <i>[Signature]</i> Authorized Representative for:	
		<b>Lincoln Park Aviation</b> 425 Beaverbrook Road, Lincoln Park, NJ 07035 <b>CRS# LKPR101K</b>	
8/11	49.	Oil Δ to Aeroshell 50 (ashless dispersant) Serviced with 10 qts and oil filter with CH 48110, cut open and inspect filter Leak checks OK. <i>Stephen Finley</i> # 26447125	* First use of Ashless dispersant oil.

**MAINTENANCE RECORD**

DATE 19 <u>98</u>	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
9/20	89	1	Oil Change - Serviced with 10 qts Aeroshell SAE 100 (50 wt). Changed oil filter (CH 49110), cut open - normal Leak check OK	<i>Stephen Tamy</i> #26447125
10/7/98	127	9	Oil changed at Tach <u>127.9</u> Next oil change due _____ Serviced with <u>Shell w 80</u> Date <u>Oct 7, 1998</u> By GUNNISON VALLEY AVIATION <i>Steve Osborn ADP 520669231</i>	
11/24			Oil Δ at Tach = 152.0 Aeroshell 80 9 qts	



DATE 19 <u>  </u>	TOTAL TIME IN SERVICE	
	HOURS	10ths

**Engine** - Drained oil, cleaned screens, checked & cleaned spark plugs, checked compression using 80 psi as reference:  
 #1 78 #2 76 #3 78 #4 78 #5 76 #6 76  
 Checked fuel system, drained sumps. Checked mags and timing. Checked prop for leaks and greased if required.  
 CW AD 98-13-10 Muffler inspection in acc. with SB 98-78-02  
 Add 9 qts Aeroshell 80 wt. , wash engine run up and leak check OK

*Tom Galllo* Insp #2.

**Lincoln Park Aviation**  
 Lincoln Park Airport, Lincoln Park, NJ 07035 • (201) 633-0450  
**CRS# LKPR101K**

3314\$ 11-27-98 TACH = 151.5

**MAINTENANCE RECORD**

DATE	TOTAL TIME IN SERVICE	
	HOURS	
1999		
3/5/99	182	4

AUTHORIZED SIGNATURE



**MAINTENANCE RELEASE**

Change oil and filter, cut and inspect filter=element.  
 No contamination noted.  
 Add 9 qts oil. (Aeroshell 80) S.F.  
 Run aircraft, leak check OK

The aircraft, airframe, aircraft propeller engine identified above was repaired and inspected in accordance with current manufacturer's maintenance manuals and pertinent Federal Aviation Regulations and is approved for return to service.  
 The details of the repair are on file under

Work Order No. 1062 Date 3-5-99 Tach 182.4

Inspector

*[Handwritten Signature]* Insp #2

Authorized Representative for:

**Lincoln Park Aviation**  
 425 Beaverbrook Road, Lincoln Park, NJ 07035  
**CRS# LKPR101K**

**MAINTENANCE RECORD**

DATE	TOTAL TIME IN SERVICE
	HOURS

URE,  
E



**MAINTENANCE RELEASE**

Comply with 25hr oil service, cut and inspect oil filter, no contamination noted. Add 9qts aeroshell 80wt oil.  
 Run aircraft, leak check. OK

The aircraft, airframe, aircraft propeller, engine identified above was repaired and inspected in accordance with current manufacturer's maintenance manuals and pertinent Federal Aviation Regulations and is approved for return to service.  
 The details of the repair are on file under

Work Order No. 1119 Date 5-4-99 Tach 224.1

Inspector

*[Handwritten Signature]* Insp #2

Authorized Representative for:

**Lincoln Park Aviation**  
 425 Beaverbrook Road, Lincoln Park, NJ 07035  
**CRS# LKPR101K**

### MAINTENANCE RECORD

DATE 19 <u>99</u>	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
<u>6/20</u>	<u>276.5</u>		Change oil, filter, cut and inspect filter element. Add 10 qts 100w oil. Run up and leak check OK.	<u>FAB #</u> <u>LKPR010K</u> <b>INSPECTOR #2</b>



DATE	TOT IN
9	HOU

**Engine** - Drained oil, cleaned screens, checked & cleaned spark plugs, checked compression using 80 psi as reference: #1 76 #2 75 #3 75 #4 77 #5 77 #6 76.  
 Checked fuel system, drained sumps. Checked mags and timing. Checked prop for leaks and greased if required.  
 Add 10 qts 100w oil, run aircraft, leak check and flight check OK.

2. psi / AV-Blend

**Lincoln Park Aviation**  
 Lincoln Park Airport, Lincoln Park, NJ 07035  
**CRS# LKPR010K**

**LINCOLN PARK AVIATION**

I certify that this aircraft/engine propeller has been inspected in accordance with a Annual inspection and was determined to be in an airworthy condition. Pertinent details are on file at this repair station under:

W.O. # 1218 Date 7-3-99 Airframe  
 total time: 291.7  
 Engine total time S.M.O.H. 291.7 SN  
 Inspector FAB # **INSPECTOR #2**  
 Date: 7-3-99

ATURE,  
TYPE  
3


**MAINTENANCE RECORD**

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
			<p align="center"><b>LINCOLN PARK AVIATION</b></p> <p>I certify that this aircraft/engine propeller has been inspected in accordance with a <u>Annual</u> inspection and was determined to be in an airworthy condition. Pertinent details are on file at this repair station under:</p> <p>W.O. # <u>1003</u> Date <u>10/20/99</u> Airframe total time: <del>385.5</del> <u>387.5</u> <i>RHW</i></p> <p>Engine total time <u>387.5</u> M.O.H. <del>387.5</del></p> <p>Inspector: <u>[Signature]</u> # <u>2</u></p> <p>Date: <u>10/20/99</u></p> <p align="center"><b>Lincoln Park Aviation</b> Lincoln Park Airport, Lincoln Park, NJ 07035 <b>CRS# LKPR010K</b></p>	

**MAINTENANCE RECORD**

DATE 19__	TI HO	DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, TYPE & NUMBER
		<p><b>Engine</b> - Drained oil, cleaned screens, checked &amp; cleaned spark plugs, checked compression using 80 psi as reference: #1 <u>75</u> #2 <u>76</u> #3 <u>70</u> #4 <u>70</u> #5 <u>78</u> #6 <u>78</u></p> <p>Checked fuel system, drained sumps. Checked mags and timing. Checked prop for leaks and greased if required. Removed cylinder #3 due to a bent push rod and a stuck exhaust valve, replaced with new. Changed oil and filter with new, inspect filter no contamination found. Added 9qts 80wt mineral oil. Complied with S/B 99-53-01 installed MK182-53-01A. Run up, leak check and flight test satisfactory.</p> <p><i>NOTE: ACCORDING TO LINCOLN PARK AVIATION, THIS WORK WAS DONE ON 10/20/99 ON W.O. NO. 1003. SEE ATTACHED WORK ORDER.</i></p> <p align="center"><b>Lincoln Park Aviation</b> Lincoln Park Airport, Lincoln Park, NJ 07035 • (201) 633-0450 <b>CRS# LKPR101K</b></p>	

### MAINTENANCE RECORD

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
			<b>Lincoln Park Aviation CRS LKPR101K</b> 425 Beaverbrook Road Lincoln Park NJ 07035 973-633-0450  Reg # N3314S    Make: Cessna    Model: 182 Date: 04-12-2000    W/O # S1540    Meter: 452.5    S/N: 18280236  Changed oil and filter with new. Cut and inspect filter, no contamination found. Added 10qts 80wt oil. Complied with AD2000-04-01 IAW SB00-79-01 Removed and replaced low oil pressure switch with new. Run up, and leak check satisfactory.   Frank R. Galilla III Insp#2	

N 3314S

### MAINTENANCE RECORD

DATE 2000	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
4/17 2000	458	5	CHECKED COMPRESSION 78-78-78-79-78-75/80 CHANGED OIL - 100W AEROSHELL, 9 qts OIL FILTER AND SUCTION SCREEN CHECKED FOR METAL (OK) CH 48110 - GENERAL CONDITION OK RUNUP CHECK OK Robert Jimm - Lellan ATP 7402096	
10-19-00 tach ACT	533 533		Annual insp. Changed oil & filter 9qts 20W-50XC. CH48110. Cut open & insp. element - OK. cyl leakage 1 77/80 2 75 3 77 4 74 5 77 6 75/80 serviced plugs. Mag timing OK. serviced fuel injectors Replaced crank seal Tightened oil drain tube hose clamps. Re-torqued lower front case bolt/nut Cleared engine. Checked controls & lubed. Run up & leak check OK. Robert Jimm ATP 473868158.	



### MAINTENANCE RECORD

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
10-19-01 Tech Engll	602 602	3 3	Annual insp. Owner changed oil & filter. Serviced plugs. Cyl. leakage 1 78 2 78 3 78 4 77 5 78 6 79/80	
			Mag timing OK. Tightened induction & oil drain tube hose clamps. Washed engine. Checked controls. Run up & leak check OK.	
			Robert Jimm ARP 473868158	

### MAINTENANCE RECORD

DATE 9__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		

(SKIPPED PAGE) Next.

### MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
2003 4-8-03	653	8	C/W AD 2002-23-06 INSTALL KIT 05K19987 1CW MFG. INSTRUCTIONS C/W AD 2002-26-01 SB 3420, REPLACE STARTER W LAHMAN S/N 85059904 OIL CHANGE TO 1W X/C 20W50, CHANGE SPARK PLUGS, CHECKED TIMING CHECKED COMPRESSION 79-75-73-73-78-73, TEST RUN CHECK FOR LEAKS	FOR WINGWALK AVIATION INC. Rutha Wanner ASP 2674991
4-8-03	653	8	CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AS PER CESSNA 182S MAINTENANCE MANUALS AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION	FOR WINGWALK AVIATION INC. Rutha Wanner ASP 2674991 IA
7-1-04	706.7	TACH	PERFORMED 100 INSPECTION ON THIS DATE. CHANGE OIL AND FILTER SPILT OLD FILTER AND NO METAL FOUND. COMPRESSION CHECK 1. 78/80 2. 74/80 3. 77/80 4. 75/80 5. 78/80 6. 74/80 RUN UP AND LEAK CHECK SATISFACTORY I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. <i>Paul J. Johnson</i> AP2782109.	
	706.7	TACH		

### MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
2005 8-24-06	732	2	CHANGED OIL WITH PHILLIPS 41C OIL. CHANGED FILTER. CHANGING SPILT FILTER NO METAL FOUND. COMPRESSION CHECK 1. 74/80 2. 74/80 3. 76/80 4. 74/80 5. 74/80 6. 72/80. Run up and ground check satisfactory. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.	<i>Paul J. Johnson</i> AP2782108 IA.
			Tach Time <u>757.3</u> Date <u>8/24/06</u> TT <u>757.3</u> TSMOH <u>757.3</u> Prop Time <u>737.3</u> ENGINE - Drain oil, cleaned screens, checked & cleaned spark plugs, checked compression, checked fuel system, drained sumps, checked starter and generator, checked mags and timed properly, inspected prop. Functionally checked engine. Cylinder compression as follows: #1 <u>70/80</u> #2 <u>70/80</u> #3 <u>74/80</u> #4 <u>70/80</u> #5 <u>70/80</u> #6 <u>70/80</u>	Changed oil + filter added 9 qts. 20W-50 Phillips oil. Eng. run-up looks good.

(Cont.)

### MAINTENANCE RECORD

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
(cont.)			<p>I CERTIFY THAT THIS AIRCRAFT ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL <u>J. Chiles AWOR120N</u> INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION</p> <p>The Aircraft, Airframe, Aircraft Engine, Propeller or Appliance identified herein was repaired and inspected in accordance with current FAR's and is approved for return to service. Pertinent details of the repair are on file at this Repair Station under W/O # <u>7163</u> Date <u>8/24/06</u> By <u>J. Chiles</u> Airway's Aviation Center 2002 Airport Road, Grand Rapids, MN 55744 AWOR120N</p>	
			<p>Tach Time <u>758.4</u> Date <u>10-3-07</u> TT <u>758.4</u> TSMOH <u>758.4</u> Prop Time <u>758.4</u></p>	
			<p>ENGINE - Drain oil, cleaned screens, checked &amp; cleaned spark plugs, checked compression, checked fuel system, drained sumps, checked starter and generator, checked mags and timed properly, inspected prop. functionally checked engine. Cylinder compression as follows: #1 <u>74/80</u> #2 <u>72/80</u> #3 <u>76/80</u> #4 <u>77/80</u> #5 <u>75/80</u> #6 <u>70/80</u></p>	
			<p><u>CW AD 02-26-01 fuel injector line insp &amp; good.</u></p>	

(cont)

### MAINTENANCE RECORD

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
			<p>NO oil change done at this time. CW AD 07-04-1921 N/A NO superior cyl installed. Researched AD 06-20-09 crank shaft reticement found crank shaft due replacement by Co-2010.</p>	
			<p>I CERTIFY THAT THIS AIRCRAFT ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION</p> <p>The Aircraft, Airframe, Aircraft Engine, Propeller or Appliance identified herein was repaired and inspected in accordance with current FAR's and is approved for return to service. Pertinent details of the repair are on file at this Repair Station under W/O # <u>7163</u> Date <u>10-3-07</u> By <u>J. Chiles</u> Airway's Aviation Center 2002 Airport Road, Grand Rapids, MN 55744 AWOR120N</p>	
			<p style="text-align: center;"><u>J. Chiles AWOR120N</u></p>	

### MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
10-24	760.5		Performed Annual inspection. Cleaned engine. Inspected all mounts, controls, hoses, wires and connections. Cleaned & gapped plugs. Checked ignition timing. Checked oil filter. No metal found. Compression test done. All cyls 70/80 or higher. Test ran. Checked AD's. Crankshaft must be replaced by Feb 2009 IAW AD 2006-20-09. Inspected fuel injector lines IAW AD 2008-14-17. Due again in 100hrs. Returned to service.	
			I certify that this <u>engine</u> has been inspected in accordance with an Annual/100hr inspection and was determined to be in airworthy condition this Date: <u>10-10-08</u> Total Time: <u>760.5</u> Tach Time: _____ TSO: _____ Signature: <u>[Signature]</u> IA: <u>3064219</u>	

### MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
2-20	160.5		Removed defective crankshaft IAW AD 2006-20-09. Crankshaft replaced w/ new Lycoming crankshaft kit s/n: V537954502. Unit was replaced w/ new rod and main bearings. Cylinders were honed and a new set of piston rings and buttons were installed. Engine reassembled. Engine serviced w/ Exxon Elite 20W50 oil. Test run and returned to service.	
			<u>[Signature]</u> 3064219 AP	

**MAINTENANCE RECORD**

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
			H.O. Aircraft, Inc. Date: 1/12/2012 Lycoming IO-540-AB1A5, s/n: L-26295-48A TTAF = 765.9 Tach = 765.9	
			Cleaned and inspected all engine controls and motor mount parts. Change oil and filter. Added 9 qts of Phillips XC 20W50. Cut open filter and removed oil screen. No unusual material found. Replaced all spark plugs with new UREM38E plugs. Replaced air filter element. Inspected all fuel injection lines IAW AD 2011-26-04. Due again at 865.9. Re-timed both magnetos. Replaced both vacuum pumps IAW SB SB05-37-01. Installed OH'd Rapco pump 212CW, s/n: 148052 and OH'd Rapco pump 211CC-9, s/n: 147289. Compression test done: 1.) 76 2.) 72 3.) 76 4.) 75 5.) 78 6.) 74. Test run. Returned to service.	
			I certify that this <u>engine</u> has been inspected in accordance with an Annual/100hr inspection and was determined to be in airworthy condition this Date: <u>1/12/12</u> Total Time: <u>765.9</u> Tach Time: <u>765.9</u> TSO: _____ Signature: <u>[Signature]</u> IA: <u>3064219</u>	

**ANNUAL 2013 MAINTENANCE RECORD**

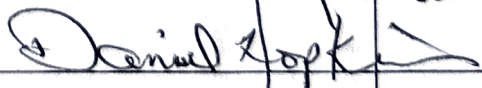
DATE <u>2013</u>	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
<u>1-22</u>	<u>800</u>	<u>3</u>	<p><b>ENGINE</b>—Drained oil, cleaned screens, checked &amp; cleaned spark plugs, checked compression, checked fuel system, drained sumps, checked starter and <del>prop</del> brushes, checked mags and timed properly. checked prop for leaks and grease. Functionally checked engine.</p> <p><u>COMP CK 1 790 2 780 3 780 4 760 5 790 6 750</u>  <u>CH48110-1 OIL FILTER, 7QTS 20W50 Phillips, 1QT AV BLEND</u>  <u>ADS checked through 2012-24</u></p> <p><u>JAN 22 2013 Tach 800 3</u>  <u>Total Time 800 3</u></p> <p>I Certify that this <u>Engine</u> has been inspected in accordance with an <u>ANNUAL</u> inspection and has been found airworthy.</p> <p>Signature: <u>[Signature]</u>  A &amp; P No. <u>1944016IA</u></p>	

**MAINTENANCE RECORD**

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		

**MAINTENANCE RECORD**

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
1-13-12	5	6	<p>cleaned + Gapped Spark plug inspected Exhaust                      system checked + lubricated Engine controls compression                      1 7/8 2 7/8 3 7/8 4 7/8 5 7/8 6 7/8 changed oil Phillips 20 50 add-on                      changed oil Filter eh 48110-1 AD 04-10-14-C1 No prop strike                      AD 12-03-06 NO BY off Patco. AD 12-19-01 PCW                      I certify the Engine has been inspected IAW                      annual inspection + found to be in satisfactory condition</p>	

  
 90388493JA



# Van Bortel Aircraft Inc.

4912 S. Collins St., Arlington, TX 76018

FAA CRS VNFR171L

**N3314S TACH 818.9 H.M. 931.2 DATE 3/14/2014 W.O. SV3527**

ENGINE S/N: L-26295-48A

REMOVED MAGNETOS P/N: 6351 S/N'S: 97071821, 97071944 AND COMPLETED A 500 HR. INSPECTION IN ACCORDANCE WITH SLICK MANUAL 1363F. REPLACED BREAKER POINTS P/N: M3081 (MFR. DATE 9/13/13) AND CARBON BRUSHES P/N: K3215-25 (MFR. DATE 6/17/13). REINSTALLED AND TIMED MAGNETOS TO ENGINE. SB08-74-01R1 & SEL-74-02 DO NOT APPLY BY MFR. DATE OF PARTS INSTALLED.

THE AIRCRAFT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE WITH RESPECT TO THE WORK ABOVE. PERTINENT DETAILS OF THE REPAIRS ARE ON FILE AT THIS REPAIR STATION UNDER THIS WORK ORDER.

PAUL PARK, CHIEF INSPECTOR

ED SIGNATURE,  
IFICATE TYPE  
NUMBER

## Sanderson Aircraft 610-383-1521

7/28/2014 N3314S Tach=852.7

Drained oil, Replaced oil filter. Cut open old filter. No metal found. Serviced with 9 Qts Phillips 20W50XC oil. Removed lower plugs, cleaned and inspected, rotated and installed. Test run engine. No defects noted.

Greg Sanderson 28784791A

## MAINTENANCE RECORD

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
			<p><b>Sanderson Aircraft 610-383-1521</b></p> <p>10/22/2014 N3314S Tach=911.2 ATT=911.2 Performed oil change. Drained oil. Replaced oil filter. Cut open old filter. NO Metal Found. Serviced with 9 Qts Phillips 20W50 X/C oil. Removed spark plugs, cleaned, and inspected. Rotated and reinstalled. Tightened leaking valve covers. Test run aircraft. No defects noted'. Greg Sanderson 28784791A. </p>	

# MAINTENANCE RECORD

DATE 19	TOTAL TIME	Agape Avionics, LLC. 1209 Ward Ave West Chester, PA 19380 6U7R543C LOG ID# 5996 04-March-2015 WO# 17215 AC TT 930.9 N3314S S/N 18280236 CESSNA 182S TACH 930.9 TSMOH 930.9	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
		Pg 1 / 1	
		**** ITEM # 17215-2 Engine Annual **** DISCREPANCY: Engine Annual ACTION: Engine annual completed IAW Cessna 182 MM and Lycoming manual. Drained oil from engine, removed filter and cut open to inspect for contaminants, none found. Installed new CH4848110 filter and serviced engine with 9 quarts Phillips 20W/50 oil. Engine compressions as follows: 1/76, 2/71, 3/76, 4/72, 5/75, 6/72. Cleaned, gapped, painted, and rotated all spark plugs. Checked all engine controls for security and freedom of movement, lubricated all rod ends. Snugged valve covers and induction clamps. Cleaned fuel strainer and inspected engine induction air filter. Ground run engine, mag checks good, no leaks noted.	
		**** ITEM # 17215-4 Several exhaust gaskets blown out **** DISCREPANCY: Several exhaust gaskets blown out ACTION: Removed left and right exhaust manifold from engine, cleaned mating surfaces, replaced all 6 gaskets with new no blow style (P/N SL77611). Reinstalled exhaust with new hardware.	
		**** ITEM # 17215-9 AD 2011-26-04 fuel injector lines **** DISCREPANCY: AD 2011-26-04 fuel injector lines ACTION: Complied with AD 2011-26-04 by visual inspection of fuel injector lines and clamps, no discrepancies found at this time. Next due at 1,030.9	
		I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.	
		 A&P/IA 3516862 Terry Heim      Date <u>03/04/15</u>	

DATE 19		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Engine Model: Lyc. IO-540-AB1A5</td> <td style="width: 15%;">S/N: L-26295-48A</td> <td style="width: 15%;">TSN: 994.7</td> <td style="width: 15%;">SMOH:</td> <td style="width: 35%;">CCA Maintenance 1 Earhart Drive, Suite 4 Coatesville, PA 19320</td> </tr> <tr> <td>N 3314S</td> <td>A/C Make/Model: Cessna 182</td> <td>A/C S/N: 18280236</td> <td>A/C TTAF: 994.7</td> <td>994.7 tach 1138.2 hobbs</td> </tr> </table>	Engine Model: Lyc. IO-540-AB1A5	S/N: L-26295-48A	TSN: 994.7	SMOH:	CCA Maintenance 1 Earhart Drive, Suite 4 Coatesville, PA 19320	N 3314S	A/C Make/Model: Cessna 182	A/C S/N: 18280236	A/C TTAF: 994.7	994.7 tach 1138.2 hobbs	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
Engine Model: Lyc. IO-540-AB1A5	S/N: L-26295-48A	TSN: 994.7	SMOH:	CCA Maintenance 1 Earhart Drive, Suite 4 Coatesville, PA 19320									
N 3314S	A/C Make/Model: Cessna 182	A/C S/N: 18280236	A/C TTAF: 994.7	994.7 tach 1138.2 hobbs									
		1. Drained and serviced 8qts Phillips 20W50XC oil. Replaced CH48110-1 filter with new. Cut open old inspected okay, inspected sump screen okay no contaminants noted. Run up ops leak check good IAW 182 mm para 12-00-00  I certify that this engine identified above was repaired and inspected in accordance with current FAA Regulations and is approved for return to service.	CORD  ORMED										
		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Signature: </td> <td style="width: 15%;">AP</td> <td style="width: 15%;">2703224</td> <td style="width: 15%;">Date: 8-28-2015</td> </tr> <tr> <td colspan="4" style="text-align: center; font-size: small;">Richard Marks      Details of work performed are on file at this agency under work order: 15-1230</td> </tr> </table>	Signature:	AP	2703224	Date: 8-28-2015	Richard Marks      Details of work performed are on file at this agency under work order: 15-1230						
Signature:	AP	2703224	Date: 8-28-2015										
Richard Marks      Details of work performed are on file at this agency under work order: 15-1230													
		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Engine Model: Lyc. O-540-AB1A5</td> <td style="width: 15%;">S/N: L-26295-48A</td> <td style="width: 15%;">TSN: 1029.2</td> <td style="width: 15%;">SMOH:</td> <td style="width: 35%;">CCA Maintenance 1 Earhart Drive, Suite 4 Coatesville, PA 19320</td> </tr> <tr> <td>N 3314S</td> <td>A/C Make/Model: Cessna 182S</td> <td>A/C S/N: 18280236</td> <td>A/C TTAF: 1029.2</td> <td>1029.2 tach 1177.7 hobbs</td> </tr> </table>	Engine Model: Lyc. O-540-AB1A5	S/N: L-26295-48A	TSN: 1029.2	SMOH:	CCA Maintenance 1 Earhart Drive, Suite 4 Coatesville, PA 19320	N 3314S	A/C Make/Model: Cessna 182S	A/C S/N: 18280236	A/C TTAF: 1029.2	1029.2 tach 1177.7 hobbs	
Engine Model: Lyc. O-540-AB1A5	S/N: L-26295-48A	TSN: 1029.2	SMOH:	CCA Maintenance 1 Earhart Drive, Suite 4 Coatesville, PA 19320									
N 3314S	A/C Make/Model: Cessna 182S	A/C S/N: 18280236	A/C TTAF: 1029.2	1029.2 tach 1177.7 hobbs									
		1. Completed Engine 100hr/Annual inspection IAW FAR 43 Appendix D. 2. Completed AD research 2016-07 3. AD 84-26-02 Air filter replacement due @ 1318.9 tach inspected okay. 4. AD 2015-19-07 Fuel injection line inspected okay no defects IAW Lyc. SB 342G dia 23. Next due @ 541.8 tach/Annual 5. Compression Checked hot 1.73/80, 2. 73/80, 3. 73/80, 4. 70/80, 5. 73/80, 6. 71/80. IAW Lyc. SB 1191A 6. Drained and serviced oil with 8qts. 20W50 XC Phillips. Replaced CH48110-1 oil filter with new. Cut open old inspected okay no contaminants noted. Leak check satisfactory. IAW 182T M/M sect 12-14-02 7. Cleaned, gapped, inspected rotated and reinstalled spark plugs. IAW AC43.13-1B para 8-15 8. Removed cleaned and inspected fuel injectors IAW 182S MM 73-00-01 9. A/justed mag timing to 23 Deg. 500hr inspection due at 1318.9 IAW 182 MM 74-00-00 10. Replaced engine oil cooler hoses PN AE3660001H0110, AE3660001H184 IAW 182S MM 71-00-00 11. Replaced engine fuel hoses PN AE3660001G0124, AE3660121G0254, AE3660001E0274. IAW 182S MM 71-00-00 12. Vac pump vane check initial due at 1265.9 13. Replaced all 6 rocker cover gaskets PN 75906. IAW Lyc DDOM sect. 6 table 10 14. Replaced both muffler ball joint hardware with new IAW 182S MM 78-10-00.											
		I certify that this engine has been inspected in accordance with an 100hr/ANNUAL inspection program required by FAR 91.409 (a)(1) and has been found to be in AIRWORTHY condition and is approved for return to service.											
		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Signature: </td> <td style="width: 15%;">IA</td> <td style="width: 15%;">2703224</td> <td style="width: 15%;">Date: 4-14-2016</td> </tr> </table>	Signature:	IA	2703224	Date: 4-14-2016							
Signature:	IA	2703224	Date: 4-14-2016										




# MAINTENANCE RECORD

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		

Engine Model: Lyc. IO-540-AB1A5	S/N: L-26295-48A	TSN: 1076.5	SMOH:	CCA Maintenance 1 Earhart Drive, Suite 4 Coatesville, PA 19320
N 3314S	A/C Make/Model: Cessna 182	A/C S/N: 18280236	A/C TTAF: 1076.5	1076.5 tach 1230.8 hobbs

1. Drained and serviced 9qts Phillips 20W50XC oil. Replaced CH48110-1 filter with new. Cut open old inspected okay, inspected su p screen okay no contaminants noted. Run up ops leak check good. IAW 182 mm para 12-00-03

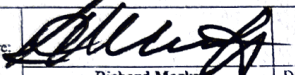
I certify that this engine identified above was repaired and inspected in accordance with current FAA Regulations and is approved for return to service.

Signature: 	AP	2703224	Date:	9-2-2016
Richard Marks Details of work performed are on file at this agency under work order: 16-1427				

Engine Model: Lyc. IO-540-AB1A5	S/N: L-26295-48A	TSN: 1106.2	SMOH:	CCA Maintenance 1 Earhart Drive, Suite 4 Coatesville, PA 19320
N 3314S	A/C Make/Model: Cessna 182	A/C S/N: 18280236	A/C TTAF: 1106.2	1106.2 tach 1264.3 hobbs

1. Removed right Slick magneto PN 6351, SN 97071944. Installed overhauled Kelly Aerospace Magneto PN 6351R, SN E10098. Timed to 23 deg. With new gaskets and lock washers. IAW 182S MM 74-10-00  
Replaced # 2.5 intake gaskets IAW Lyc DDOM sect 8 table10


I certify that this engine identified above was repaired and inspected in accordance with current FAA Regulations and is approved for return to service.

Signature: 	AP	2703224	Date:	12-29-2016
Richard Marks Details of work performed are on file at this agency under work order: 16-1484				

Engine Model: Lyc. IO-540-AB1A5	S/N: L-26295-48A	TSN: 1117.2	SMOH:	CCA Maintenance 1 Earhart Drive, Suite 4 Coatesville, PA 19320
N 3314S	A/C Make/Model: Cessna 182S	A/C S/N: 18280236	A/C TTAF: 1117.2	1117.2 tach 1276.7 hobbs

1. Completed Engine 100hr/Annual inspection using FAR 43 appendix D guidelines.
2. Completed AD research 2017-09. No new due, applicable recurring complied with.
3. AD 84-26-02 Air filter replacement due @ 1318.9 tach inspected okay.
4. AD 2015-19-07 Fuel injection line inspected okay no defects IAW Lyc. SB 342G dia 23. Next due @ 1217.2 tach/Annual
5. Completed FAR91.207(d) ELT ops and inspection check good SN: 326686. Replaced battery with new. New date 6-2018 IAW 182 M/M sect 25-60-00
6. Compression Checked hot 1.75/80, 2. 72/80, 3. 78/80, 4. 70/80, 5. 75/80, 6. 70/80. IAW Lyc. SB 1191A
7. Drained and serviced oil with 9qts 20W50 XC Phillips. Replaced CH48110-1 oil filter with new. Cut open old inspected okay no contaminants noted. Leak check satisfactory. IAW 182 M/M sect 12-14-02
8. Cleaned, gapped, inspected rotated and reinstalled spark plugs. IAW Champion AV6-R manual.
9. Vac pump vane check initial due at 1265.9
10. Re-shimmed prop spinner. IAW 182 mm 61-10-00

I certify that this engine has been inspected in accordance with an 100hr/ANNUAL inspection program required by FAR 91.409 (a)(1) and has been found to be in AIRWORTHY condition and is approved for return to service.

Signature: 	IA	2703224	Date:	5-9-2017
Richard C Marks Details of work performed are on file at this agency under work order: 17-1532				

## RECORD

PERFORMED

AUTHORIZED SIGNATURE,  
CERTIFICATE TYPE  
& NUMBER

DATE	TOT IN
19	HOUE



# VAN BORTEL AIRCRAFT INC™

4912 S. Collins St., Arlington, TX 76018

FAA CRS VNFR171L

**N3314S TACH 1149.1 H.M. 1311.2 DATE 8/7/2017 W.O. SV5245**

ENGINE S/N: L-26295-48A

OIL AND FILTER CHANGED. COMPLIED WITH SB 480E OIL, OIL FILTER AND SUCTION SCREEN INSPECTION. SERVICED WITH PHILLIPS 20W50 AND CH48110-1.

THE AIRCRAFT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE WITH RESPECT TO THE WORK ABOVE. PERTINENT DETAILS OF THE REPAIRS ARE ON FILE AT THIS REPAIR STATION UNDER THIS WORK ORDER.

*Paul Park*  
PAUL PARK, CHIEF INSPECTOR

AUTHORIZED SIGNATURE,  
CERTIFICATE TYPE  
& NUMBER



# VAN BORTEL AIRCRAFT INC™

4912 S. Collins St., Arlington, TX 76018

FAA CRS VNFR171L

**N3314S TACH 1151.0 H.M. 1313.9 DATE 8/9/2017 W.O. SV5250**

ENGINE S/N: L-26295-48A

REPLACED ALL SPARK PLUGS WITH NEW P/N: UREM38E.

THE AIRCRAFT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE WITH RESPECT TO THE WORK ABOVE. PERTINENT DETAILS OF THE REPAIRS ARE ON FILE AT THIS REPAIR STATION UNDER THIS WORK ORDER.

*Paul Park*  
PAUL PARK, CHIEF INSPECTOR

## MAINTENANCE RECORD

6/1/2018 T-1238.2 ETT-1238.2 100 hr Inspection/Annual Inspection  
Compression test: 78, 76, 76, 76, 76, 76/80  
Removed all sparkplugs, clean inspect gap and reinstall all sparkplugs.  
Checked both mags timing to 23 degrees. Inspected engine intake air filter.  
Check all belts, hoses, and engine mount for condition and wear. Inspected intake and exhaust systems. Replaced #3 intake gasket. Ran engine to full power and checked all systems. All checks were normal. All work performed IAW FAR43, Appendix D and AC43.131B/2A and applicable maintenance manual. Charles Schandelmeier, IA3575997

THE WORK PERFORMED

AUTHORIZED SIGNATURE,  
CERTIFICATE TYPE  
& NUMBER

I CERTIFY THAT THIS Engine HAS  
BEEN INSPECTED IN ACCORDANCE WITH A  
100hr/Annual INSPECTION AND WAS FOUND  
TO BE IN AIRWORTHY CONDITION.


10/24/18 Tach/~~HM~~: 1288.0  
Change oil & filter. Serviced with 2 qts of  
20w50 oil and a CH48 110 filter.  
Charles Schandelmeier, IA3575997

2/5/19 Tach/~~HM~~: 1313.4  
Change oil & filter. Serviced with 2 qts of  
20w50 oil and a CH48 110 filter.  
Charles Schandelmeier, IA3575997


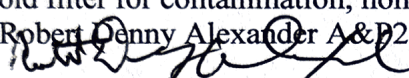
**MAINTENANCE RECORD**

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
7/1/19	T-1350.4	ETT-1350.4	100 hr Inspection/Annual Insp Compression test: 75, 78, 75, 74, 74, 74/80 Removed all sparkplugs, clean inspect gap and reinstall all sparkplugs. Checked both magnetos to 25 degrees. Replaced engine intake air filter, P198290. Check all belts, hoses, and engine mount for condition and wear. Inspected intake and exhaust systems. Stop drilled baffling crack on the #1 cylinder baffle. Reinstalled engine cowling. Ran engine to full power and checked all systems. All checks were normal. All work performed IAW FAR43, Appendix D and AC43.131B/2A and applicable maintenance manual. Charles Schandelmeier, IA3575997	<p align="center"><b>I CERTIFY THAT THIS <u>Engine</u> HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>100hr Annual</u> INSPECTION AND WAS FOUND TO BE IN AIRWORTHY CONDITION.</b></p> <p align="right"><i>[Signature]</i></p>


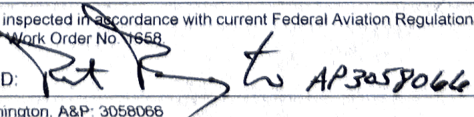
**MAINTENANCE RECORD**

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS			
			<p align="center">wo: WO_2791 <span style="float: right;">Engine - page 1 of 1</span></p> <p align="center"></p> <p align="center">Dallas Executive Aircraft Service · 5025 Voyager Dr Suite A, LB 58 · Dallas, TX 75237 · 2145581238</p> <p><b>N3314S</b> <span style="float: right;"><b>May 24, 2018</b></span></p> <p>Tach: 1235.2</p> <p>1. Drained engine oil, removed filter. Cut oil filter, no metallic contamination found. Installed new CH48110-1 filter and serviced with 9 quarts of Phillips 20w 50 oil. All checks found satisfactory. No leaks or discrepancies noted after the ground run.</p> <p>With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with Dallas Executive Aircraft Service under work order: WO 2791.</p> <p>Mark Curless A&amp;P IA 424828181 <i>[Signature]</i></p>	

**MAINTENANCE RECORD**

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
			 <p><b>LAKELAND AVIATION, INC. ARDMORE MUNICIPAL AIRPORT</b>                      FBO Services, Aircraft Service- Sales Rental Pilot Club                      800-687-9588</p>	
06-19-19			<p>N3314S Tach 1347.5                      Removed and reinstalled #2 cylinder due to bent exhaust pushrod. Cylinder exchanged for overhauled cylinder p/n LW13870 s/n 110269. See Gibson Aviation El Reno OK W/O #018807 for overhaul details. Cylinder installed using new gaskets and seals in accordance with Lycoming Overhaul Manual and SI 1029 using new exhaust pushrod and new housing.                      Installed 9 quarts 20W50 Phillips mineral oil and new oil filter p/n CH48110. Inspected old filter for contamination, none found. Engine test ran and checked for leaks.                      Robert Denny Alexander A&amp;P 2125366</p> 	

**MAINTENANCE RECORD**

DATE 19__	TOTAL TIME IN SERVICE		ENGINE MODEL: ENGINE S/N: REG. NO. N3314S WORK ORDER: 1658	 <p><b>Aero Tech Services</b>                      4689 Eddie Rickenbacker Drive                      Addison, TX 75001                      Phone: 214-728-9007</p>	DATE: 5/15/2020 A/C TSN: ENG TT: TACH: 1422.1	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER	
	HOURS						
			<p><b>Engine Entries</b></p> <p>C/W SB388C Valve Guide Condition Check.... Complied with SB388C. Removed Lower Spark Plugs and all cylinder Rocker Box Covers, Exhaust Thrust Buttons, Exhaust Rocker Arms, Valve Stem Cap, Retainers, Springs and Seats, Push Rods, and Exhaust Valves. Measured all Valve Guide Clearances. Reamed #2 thru #6 cylinder Valve guides to spec. Cleaned all parts. Reinstalled all components and new Silicone valve cover gaskets. Installed Exhaust with new gaskets. Performed ground run &amp; leak check satisfactory.- #6 Cylinder Pushrod Tube has large dent and pushrod is scored.... Removed damaged tube and pushrod. Primed &amp; painted tube. Installed new tube with new seals. Installed new pushrod as needed. Function checked satisfactory.- Crankshaft Seal Leaking Oil.... Removed Prop and removed faulty crankshaft seal. Cleaned case and installed new seal. De sludged Crankshaft and Propeller. Reinstalled propeller with new oring and safetied as needed.- Clean &amp; Gap lower spark plugs.... Cleaned, Gapped to .019, and tested as needed.- Various wires need secured with tywraps.... Secured plug wires and EGT lead as needed.- C/W 95 Amp Alternator upgrade.... Removed 60 Amp Alternator. Installed OH 95 Amp Alternator with new belt and bracket. Re wired as needed. Tightened Alternator and tensioned belt to specs. Function checked satisfactory.</p>				
			<p>The work described above was performed and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details are on file at this facility under Work Order No. 1658.</p>				
			DATE: 5/15/2020	SIGNED: 	Work Order: 1658		
			Pat Pennington, A&P: 3058066		Printed by EBIS 3 (datcomedia.com)		

# MAINTENANCE RECORD

DATE

19\_\_

**Unison Slick Magnetos Model 6351**  
 07-15-2019 Hobbs Time: Unknown. Component TT: Unknown  
 S/N: 97071821

SIGNATURE,  
 DATE TYPE  
 NUMBER

This aircraft appliance was inspected in accordance with Champion 6300 series Maintenance Manual P/N L-1363E, 500-hour inspection section 3, 7 and 9, inspection checklist. The contact points, M3081 were replaced to comply with SB 1-12, capacitor, P/N K3984, carbon brush, in accordance with Slick SB 3-08A. An Airworthiness Directive Compliance report was provided to the Owner/Operator to be amended to the appliance maintenance record. This appliance was found to be in an airworthy condition and returned to service.

Russell Martin

**Unison Slick Magnetos Model 6351**  
 07-15-2019 Hobbs Time: Unknown. Component TT: Unknown  
 S/N: 04081884/E10098

This aircraft appliance was inspected in accordance with Champion 6300 series Maintenance Manual P/N L-1363E, 500-hour inspection section 3, 7 and 9, inspection checklist. The contact points, M3081 were replaced to comply with SB 1-12, capacitor, P/N K3984, carbon brush, in accordance with Slick SB 3-08A. An Airworthiness Directive Compliance report was provided to the Owner/Operator to be amended to the appliance maintenance record. This appliance was found to be in an airworthy condition and returned to service.

Russell Martin  
 A&P 2798096 IA

Date: 7/16/2019  
 Tach: 1355

Make: Cessna  
 Model: 182S  
 Reg. Number: N3314S / Serial No: 18280236  
 Engine Serial No: L-26295-48A

**Engine Log Entry**

Installed and timed Slick magnetos model 6351, LH S/N 97071821 and RH S/N 04081884/E10098 after overhaul by Quite Sky Aviation, ops checked good. I certify that the work performed to be in airworthy condition.


Cliff Gerber  
 A&P 3360520

DATE	TOTAL TIME IN SERVICE	DESCRIPTION OF THE WORK PERFORMED	SIGNED SIGNATURE, CERTIFICATE TYPE & NUMBER
8/4/2020	T-1436.1 ETT-1436.1 100 Hr/Annual Inspection	Compression test: 78, 76, 78, 75, 77, 76/80 Removed all sparkplugs, clean inspect gap and reinstall all sparkplugs. Change oil and filter. Serviced with 8 quarts of AeroShell 100w oil and a CH48110-1 oil filter. Checked magneto timing to 23 degrees. Inspected engine intake air filter. Check all belts, hoses, and engine mount for condition and wear. Inspected intake and exhaust systems. Reinstalled engine cowling. Ran engine to full power and checked all systems. All checks were normal. All work performed IAW FAR43, Appendix D and AC43.131B/2A and applicable maintenance manual. Charles Schandelmeier, IA3575997	<p><b>I CERTIFY THAT THIS <u>Engine</u> HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>100hr/Annual</u> INSPECTION AND WAS FOUND TO BE IN AIRWORTHY CONDITION.</b></p>

8/4/2020 T-1436.1 ETT-1436.1 100 Hr/Annual Inspection  
 Compression test: 78, 76, 78, 75, 77, 76/80  
 Removed all sparkplugs, clean inspect gap and reinstall all sparkplugs. Change oil and filter. Serviced with 8 quarts of AeroShell 100w oil and a CH48110-1 oil filter. Checked magneto timing to 23 degrees. Inspected engine intake air filter. Check all belts, hoses, and engine mount for condition and wear. Inspected intake and exhaust systems. Reinstalled engine cowling. Ran engine to full power and checked all systems. All checks were normal. All work performed IAW FAR43, Appendix D and AC43.131B/2A and applicable maintenance manual. Charles Schandelmeier, IA3575997

**I CERTIFY THAT THIS Engine HAS BEEN INSPECTED IN ACCORDANCE WITH A 100hr/Annual INSPECTION AND WAS FOUND TO BE IN AIRWORTHY CONDITION.**

## MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
19__			<p>3/30/2021 T-1521.0                      install flap gap seals per STC#SA2382NM, fit and install nose wheel pant and upper cuff per STC#SA2381NM. FAA Form 337 with FAA. This aircraft is returned to service. Charles Schandelmeier, IA3577907</p> 	

ENGINE MODEL:  
 IO-540-AB1A5  
 ENGINE S/N: L-26295-48A  
 REG. NO: N3314S  
 WORK ORDER: 1822



**Aero Tech Services**  
 4689 Eddie Rickenbacker Drive  
 Addison, TX 75001  
 Phone: 214-728-9007

DATE: 6/23/2021  
 A/C TSN: 1782.9  
 ENG TT: 1782.9  
 TACH:

DATE	TOTAL TIME IN SERVICE	
	HOURS	10ths
19__		

**Engine Entries**

Reseal engine baffling per customer request.... Resealed engine baffling as needed.- Install new engine mounts.... Removed old mounts and installed new engine mounts. Torqued engine mounts to 41 FT LBS I/A/W Cessna maintenance manual.- No. 4 cylinder oil return tube clamps loose.... Tightened all cylinder oil return tube clamps as needed.- Oil filler neck seeping oil at base.... Tightened oil filler neck and re safetied as needed.- Engine needs de greased.... Washed engine as needed.- RH aft baffling needs air vent bung installed.... Installed cap on RH aft baffling vacuum pump cooling port and installed band clamp as needed.- Intake boots need to be replaced.... Removed cylinders 1, 3, 4, 5 and 6 intake tubes and intake boots. Installed new intake boots. Reinstalled tubes with new intake gaskets as needed.- Troubleshoot oil leaks.... Found oil sump hardware loose and all cylinder oil return tubes seeping oil and oil pressure sender leaking oil.- Replace oil pressure switch due to oil leakage.... Removed leaking oil pressure switch and installed new oil pressure switch as needed.- C/W AD 2013-11-11 1000hr Oil Pressure Switch replacement... Complied with AD 2013-11-11 1,000 hr oil pressure switch replacement.- Oil Sump hardware loose.... Tightened oil sump hardware as needed.

The work described above was performed and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details are on file at this facility under Work Order No. 1822.

DATE: 6/23/2021

SIGNED:  AP3058066

Work Order: 1822

Pat Pennington, A&P: 3058066

Printed by EBis 3 (datcomedia.com)

ZED SIGNATURE, CERTIFICATE TYPE & NUMBER

**MAINTENANCE RECORD**

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		

9/2/2021 T-1614.6 ETT-1614.6 100 hr/Annual Inspection  
 Compression Test-72, 74, 75, 68, 78, 70/80  
 Removed all sparkplugs, clean, inspect, gap and reinstall all sparkplugs. Checked magneto timing to 23 degrees. Inspected and cleaned engine air filter. Check all belts, hoses, and engine mounts for condition and wear. Inspected intake and exhaust systems. Repair right exhaust collector. Reinstalled using all new gaskets. Ran engine to full power and checked all systems. All checks were normal. All work performed IAW FAR43, Appendix D and AC43.13 1B/2A and applicable maintenance manual. This engine is returned to service. Charles Schandelmeier, IA3575997

**I CERTIFY THAT THIS Engine HAS BEEN INSPECTED IN ACCORDANCE WITH A 100hr/Manual INSPECTION AND WAS FOUND TO BE IN AIRWORTHY CONDITION.**

*[Signature]*


10/1/2022 T-1777.1 ETT-1777.1 Annual/100 Hr Inspection  
 Compression test-78, 77, 78, 74, 76, 72/80  
 Removed all sparkplugs inspect, clean, test and reinstall. Checked magneto timing at 23 degrees. Inspected engine air filter. Check all belts, hoses, and engine mount. Inspected intake and exhaust systems. Replaced throttle cable, PN-S2800-1098. Ran engine to full power and checked all systems. All checks were normal. All work performed IAW FAR43, Appendix D and AC43.13 1B/2A and applicable maintenance manual. This engine is returned to service. This engine has been inspected IAW a 100HR/Annual inspection and found to be in airworthy condition. Charles Schandelmeier, IA3575997

*[Signature]*

12/8/22 Tachtime: 1794.0  
 Change oil & filter. Serviced with 7 qts of  
 150w+ oil and a CF4B 110 filter.  
 Charles Schandelmeier, IA3575997

Make: Continental  
 Model: IO-540-AB1A5  
 S/N: L-26295-48A  
 Aircraft Reg Number: N3314S

Date: 2/20/2023  
 TACH: 1810.0

DATE 19__	TOTAL IN S HOURS

Engine Log Entry:  
 Removed oil drain and installed new quick drain P/N P5000. Removed temp control valve and installed new valve P/N 53E22144. Increased oil pressure as needed. All work performed IAW TCM M-0, leak/ops check good. I certify that the work performed to be in airworthy condition and approved for return to service.

*[Signature]*  
 Cliff Gerber A&P 3360520

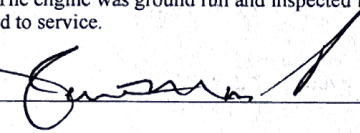
ED SIGNATURE,  
 FICATE TYPE  
 NUMBER

3-20-23  
 T-1825.6 Replace all 12 sparkplugs with 12 new REM385 plugs *[Signature]* IA3575997


11/1/2023 T-1911.3 ETT-1911.3 N3314S Annual/100 Hr Inspection  
 Compression test-76, 76, 75, 74, 75, 70/80  
 Removed all sparkplugs inspect, clean, test and reinstall. Change oil and filter. Serviced with 8 quarts of AeroShell 100w+ oil and a 48110-2 filter. Checked magneto timing at 23 degrees. Inspected engine air filter. Check all belts, hoses, and engine mount. Inspected intake and exhaust systems. Ran engine to full power and checked all systems. All checks were normal. All work performed IAW FAR43, Appendix D and AC43.13 1B/2A and applicable maintenance manual. This engine is returned to service. This engine has been inspected IAW a 100HR/Annual inspection and found to be in airworthy condition. Charles Schandelmeier, IA3575997

*[Signature]*


### MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
19__			<p><b>Unison Slick Magnetos Model 6351</b>  <b>11-08-2023 Hobbs Time: 2135.0 Component TT: Unknown</b>  <b>S/N: 04081884/E10098</b></p> <p>This aircraft appliance was inspected reference Champion 6300 series Maintenance Manual, P/N L-1363J, 500-hour inspection section 3, 7 and 9, and inspection checklist, section 9.0, and installed reference Cessna MM Chapters 74-10-00 and 74-30-00.</p> <p>Parts replaced:</p> <ol style="list-style-type: none"> <li>1. The contact assembly, P/N: A-13081</li> <li>2. Capacitor, P/N: AK-3984</li> <li>3. Carbon brush, P/N: AM-3215</li> <li>4. Impulse spring, P/N: ES917</li> <li>5. Cotter pin, P/N: AM-2556</li> </ol> <p>An Airworthiness Directive Compliance report through Bi-weekly 2023-22 was provided to the Owner/Operator amended to the appliance maintenance record. The engine was ground run and inspected for proper operation and oil leaks. This appliance was found to be in an airworthy condition and returned to service.</p> <p>Russell Martin A&amp;P 2798096 IA</p> 	

### MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
19__			<p><b>Unison Slick Magnetos Model 6351</b>  <b>11-08-2023 Hobbs Time: 2135.0 Component TT: Unknown</b>  <b>S/N: 97071821</b></p> <p>This aircraft appliance was inspected reference Champion 6300 series Maintenance Manual, P/N L-1363J, 500-hour inspection section 3, 7 and 9, and inspection checklist, section 9.0, and installed reference Cessna MM Chapters 74-10-00 and 74-30-00.</p> <p>Parts replaced:</p> <ol style="list-style-type: none"> <li>1. The contact assembly, P/N: A-13081</li> <li>2. Capacitor, P/N: AK-3984</li> <li>3. Carbon brush, P/N: AM-3215</li> <li>4. Impulse spring, P/N: ES917</li> <li>5. Cotter pin, P/N: AM-2556</li> </ol> <p>An Airworthiness Directive Compliance report through Bi-weekly 2023-22 was provided to the Owner/Operator amended to the appliance maintenance record. The engine was ground run and inspected for proper operation and oil leaks. This appliance was found to be in an airworthy condition and returned to service.</p> <p>Russell Martin A&amp;P 2798096 IA</p> 