

# **ENGINE MAINTENANCE RECORD**

**AIRCRAFT SERIAL AND REGISTRATION** 

T18208293/N912VM

**ENGINE MODEL AND SERIAL** 

TIO540-AK1A L-11630-61A

D5518-3-13

**RECORD NUMBER 1** 

#### **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 IN SER		DESCRIPTION OF THE WORK PERFORMED  AUTHORIZED SIGNATU CERTIFICATE TYPE
2004	HOURS	10THS	& NUMBER
Od29			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.
			MODELTIO-540-AK1A SERIAL NO, L-11630-61A
			DATE JUN 0 7 2004 (AUTHORIZED REPRESENTATIVE)
			LYCOMING ENGINES 652 Oliver Street Williamsport, PA 17701 U.S.A.
			Form No. 777-B (Rev. 3(03)

MAINTENANCE RECORD TOTAL TIME IN SERVICE AUTHORIZED SIGNATURE, DESCRIPTION OF THE WORK PERFORMED **CERTIFICATE TYPE** HOURS 10THS & NUMBER Engine model TIO-540-AK1A, S/N L- //630-6/A 6 has been installed on aircraft # 1/8208293 . This engine serviced with Phillips X/C 20W50 Engine oil. ODARF1001296 Van Nuys Flight Center, Inc. Van Nuys, CA N6173K WO 4255 14-Jul-05 Tach 37.0 C/W 25 hour inspection. Replaced oil filter and changed oil with 9 Qts. Aeroshell 100 Mineral oil. Ran engine, leak checked good. Installed oil quick drain. The aircraft and/or component identified above was repaired and inspected in accordance with current federal air regulations and is approved for return to service only for the work accomplished. Pertinent details of the repair are on file. AP2192808IA Certificate Number William P. Noctor Van Nuys Flight Center, Inc. Van Nuys, CA N6173K WO 4302 20-Aug-05 Tach 57.2 Replaced oil filter and changed oil with 9 Qts. Aeroshell 100W Plus. Ran engine, leak checked good. AUTHORIZED SIGNATURE, The aircraft and/or component identified above was repaired and inspected in CERTIFICATE TYPE accordance with current federal air regulations and is approved for return to service & NUMBER only for the work accomplished. Pertirient details of the repair are on file. AP2192808IA William P. Noctor Certificate Number Van Nuvs Flight Center, Inc. Van Nuvs, CA N6173K WO 4614 24-Mar-06 Tach 96.3 C/W Annual Inspection per Cessna Service Manual. Replaced oil filter and changed oil with 9 Qts. Aeroshell 100W PLUS. Ran engine, leak checked good. C/W AD02-26-01 Fuel Injection Lines. I certify this engine has been inspected in accordance with a manufacturer's annual inspection and determined to be in airworthy condition. The aircraft and/or component identified above was repaired and inspected in accordance with current federal air regulations and is approved for return to service only for the work accomplished. Pertinent details of the repair are on file. AP2192808IA Certificate Number

William P. Noctor

DATE		LTIME			
	HOURS	10THS		AUTHORIZED SIG CERTIFICATE & NUMB	TYPE
			Tom's Aires 6		
			Tom's Aircraft Phone 1-562-426-5331		
			Maintenance Inc FAX 1-562-426-1052  2641 E Spring Street * Long Beach Int'l Airport *Long Beach, CA 90806  N6173K Tools 124.5 Tools 124.5		
- 1	- 1		Changed oil and filter with Phillips 20W50 Compression as		
$\top$			follows: #1, 77 #2, 78 #3, 77 #4, 78 #5, 78 #6, 76 over 80. Cleaned, gapped, and tested spark plugs. Magneto timing checks ok. Washed		
	- 1		down engine and test ran for leaks operation all of This are the		
+	$\dashv$		and has been found to be in an airworthy condition and is any second		
		- 1	Jone Jant Jant		
+			TOM L. JACOBSON FAA REPAIR STATION VTMR569K		
				•	
	M	arca	"SIG CE VEIGHTE GIODS NOGO		2.
an an	M		Phance III all all all all all all all all all	2-430-0005	
Re	///	ainte	Phance III all all all all all all all all all		
Drawa ret	egistrationained oil fins performe	on: N61 from warred satisfactice.	Roanoke. TX 76262  Phone: 817  73K Date: 9/3/2007 Tach: 187.6 TTIS: 187.6  ENGINE  In engine. Replaced oil filter W/ CH48110-1, added 9 Qrts. Aeroshell 100W Oil. A post maintenance ctory with no leaks noted. This aircraft was serviced IAW Cessna service manuals and FAA regulation.	antananakilikantur-74-uu enegu	TYPE
Drawa ret	egistratio	on: N61 from warred satisfactice.	Roanoke. TX 76262  Phone: 817  73K Date: 9/3/2007 Tach: 187.6 TTIS: 187.6  ENGINE  In engine. Replaced oil filter W/ CH48110-1, added 9 Qrts. Aeroshell 100W Oil. A post maintenance ctory with no leaks noted. This aircraft was serviced IAW Cessna service manuals and FAA regulation.	antananakilikantur-74-uu enegu	TYPE ER
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## Roatinus, TX 76252

11310 Cleveland Bibbs Road Proce 807-430-4115 DAT ME. BE Registration: N6713K Date: 9/27/2007 ENGINE Tach: 234.5 TTIS: 234.5 1/50 Complied with a 100-hr inspection IAW 14CFR 43-D and Lycoming service manual. Checked AD's through MIT-19. See Compliance Report this date. Complied with the following ALI's AD 2002-26-01 (fuel lines) no defects noted, next due 334.5 Performed a pre-inspection run-up of engine satisfactory. Compression results #1) 76 %0 #2) 75 %0 #3) \*% %; #4) 7" 80 45) 76 80 #6) 74 80, drained oil from warm engine, installed new CH48110-1 oil filter, tracked screen no defects noted, added 9 grts aeroshell W100, Removed, cleaned gapped and tested all plugs satisfactory, removed right may to replaced leaking gasket, reinstalled mag with new gasket, thereted magneto to engine timing satisfactory, performed a post inspection run-up of engine, Mag drop was normal, static and idle ranges within limits, magnetos cut off in the off position. Lubricated starter and engine controls. I certify this engine has been inspected IAW a 100-hr inspection and is determined to be in an airworthy The aircraft identified above was repaired inspected IAW current regulations of the Federal Aviation Administration and is approved for return to service per work performed. Karl S Smith AP 30KS657 11310 Develand Gibbs Road Phone 817-313-775 Roannike. TX 7E252 HE THEK E 7/25 == ENGINE TTTS: 290.3 Registration: N6173K Date: 12/8/2007 Tach: 290.3 Drained oil from warm engine. Replaced oil filter W. CH4811(+1, added 9 Oris. Aeroshell K1W Oil. A post manuerance run up of the engine was performed satisfactory with no leaks noted. This aircraft was serviced IAW Cessua service manuals and FAA explanation and a arrows at the PERSONAL PROPERTY NO. Kari S Smith AP 3/65657 Direct N# Chage Jrn 3 2009

See Airframe 19 for detail

#### MAINTENANCE RECORD

### Barrett Aircraft Maintenance, Inc

2040 Skylane Drive Hanger 2-E Denton, Texas 76207 (940) 566-4920 RIZED SIGNATURE, \*TIFICATE TYPE & NUMBER

A/C: 912VM **HOBBS: 370.8** DATE: 02-15-2008 **ACTT: 370.8** Performed 100 hour inspection per Cessna T182T maintenance manual and inspection guides. Performed compression test: #1 78/80, #2 77/80, #3 78/80, #4 78/80, #5 78/80, #6 78/80. Cleaned, gapped and reinstalled sparkplugs. Performed oil and filter change. Installed new CH48110-1 oil filter. Serviced with 9 qts Aeroshell 100W50 oil. Torqued rocker covers: Washed engine. Performed ground run and leak check. No leaks found. I certify that this engine has been inspected in accordance with a 100 hour inspection and has been determined to be in ar airworthy condition. Thomas B. Barrett A&P 462497446IA TSN: 370.8 11310 Cleveland Gibbs Road intenance Roanoke, TX 76262 Phone: 817-430-0005 SIGNATURE. TE TYPE **ENGINE IBER** TTIS: 378.4 Registration: N912VM Date: 4/15/2008 Tach: 378.4 Drained oil from warm engine. Replaced oil filter W/ CH48110-1, added 9 Qrts. Aeroshell 100W Oil. A post maintenance run up of the engine was performed satisfactory with no leaks noted. This aircraft was serviced IAW Cessna service manuals and FAA regulations and is approved for return 19 service Karl S Smith AP 3085657 11310 Cleveland Gibbs Road Phone: 817-430-0005 Roanoke, TX 76262 **ENGINE** TTIS: 426.4 Tach: 426.4 Registration: N912VM Date: 6/20/2008

Drained oil from warm engine. Replaced oil filter W/ CH48110-1, added 9 Qrts. Aeroshell 100W Oil. A post maintenance run up of the engine was performed satisfactory with no leaks noted. This aircraft was serviced IAW Cessna service manuals and FAA regulations and is approved for return to service.



Phone: 817-430-0005

NATURE, TYPE

Registration: N912VM Date: 7/2/2008

Tach: 463.7

TTIS: 463.7

**ENGINE** 

Complied with a 100-hr inspection IAW 14CFR 43-D and Lycoming service manual. Checked AD's through 2008-13. See Compliance Report this date. Complied with the following AD's AD 2002-26-01 (fuel lines) no defects noted. next due 563.7

Performed a pre-inspection run-up of engine satisfactory, Compression results #1) 77/80 #2) 76/80 #3) 78/80 #4) 76/80 #5) 76/80 #6) 76/80, drained oil from warm engine, installed new CH48110-1 oil filter, checked screen no defects noted, added 9 qrts aeroshell W100, Replaced all plugs with new RHB37E, performed 500 hr overhaul on left and right magnetos, replaced both dist blocks K3823, both rotor gears M3828, and both point sets M3081, checked magneto to engine timing satisfactory, performed a post inspection run-up of engine, Mag drop was normal, static and idle ranges within limits, magnetos cut off in the off position. Lubricated starter and engine controls.

I certify this engine has been inspected IAW a 100-hr inspection and is determined to be in an airworthy condition...end

The aircraft identified above was repaired/inspected IAW current regulations of the Federal Aviation Administration and is approved for return to service per work performed.

Karl S Smith AP 3085657



11310 Cleveland 6ibbs Road Roanoke, TX 76262

Phone: 817-430-0005

SIGNATURE, TE TYPE IBFR

Registration: N912VM Date: 8/15/2008

Tach: 523.8

TTIS: 523.8

**ENGINE** 

Drained oil from warm engine. Replaced oil filter W/ CH48110-1, added 9 Qrts. Aeroshell 100W Oil. A post maintenance run up of the engine was performed satisfactory with no leaks noted. This aircraft was serviced IAW Cessna service manuals and FAA regulations and is approved for return to service.

Karl S Smith AP 3085657



11310 Cleveland Gibbs Road Roanoke, TX 76262

Phone: 817-430-0005

Registration: N912VM Date: 9/18/2008

Tach: 550.3

TTIS: 550.3

**ENGINE** 

Cleaned #2 bottom plug after report of rough engine on mag check. Post maintenance run-up check satisfactory. This aircraft was serviced IAW Lycoming service manuals and FAA regulations and is approved for return to service.

DATE



11310 Cleveland Gibbs Road Roanoke, TX 75252

Phone: 817-430-0005

URE

Registration: N912VM Date: 9/21/2008

Tach: 554.8

TTIS: 554.8

**ENGINE** 

Complied with a 100-hr inspection IAW 14CFR 43-D and Lycoming service manual. Checked AD's through 2008-19. See Compliance Report this date. Complied with the following AD's AD 2008-14-07 (fuel lines) no defects noted. next due 654.8

Performed a pre-inspection run-up of engine satisfactory, Compression results #1) 72/80 #2) 72/80 #3) 74/80 #4) 75/80 #5) 74/80 #6) 73/80, drained oil from warm engine, installed new CH48110-1 oil filter, checked screen no defects noted, added 9 qrts aeroshell W80, cleaned, tested and reinstalled all plugs, checked magneto to engine timing satisfactory, replaced #5 rocker box cover gasket with new 75906, performed a post inspection run-up of engine, Mag drop was normal, static and idle ranges within limits, magnetos cut off in the off position. Lubricated starter and engine controls.

I certify this engine has been inspected IAW a 100-hr inspection and is determined to be in an airworthy condition...end

The aircraft identified above was repaired/inspected IAW current regulations of the Federal Aviation Administration and is approved for return to service per work performed.

Karl S Smith AP 3085657



11310 Cleveland Gibbs Road Roanoke, TX 76262

Phone: 817-430-0005

Registration: N912VM Date: 11/21/2008

Tach: 606.8

TTIS: 606.8

**ENGINE** 

SNATURE. TYPE -R

Drained oil from warm engine. Replaced oil filter W/ CH48110-1, added 9 Qrts. Aeroshell 80W Oil. A post maintenance run up of the engine was performed satisfactory with no leaks noted. This aircraft was serviced IAW Cessna service manuals and FAA regulations and is approved for

Karl S Smith AP 3085657



11310 Cleveland Gibbs Road Roanoke, TX 76262

Phone: 817-430-0005

Registration: N912VM Date: 12/18/2008

Tach: 616.6

TTIS: 616.6

**ENGINE** 

Complied with Lycoming Service Instruction # 1517 dated Oct 27, 2006 by retiming both magnetos to 23degs. reinstalled new Lycoming supplied data plate onto engine per SI instructions, a post maintenance run-up of the engine was performed satisfactory, mag drop was normal, idle and static RPM normal, mags cut off in the off position. This aircraft was serviced IAW Lycoming service manuals & instructions and FAA regulations and is approved for return to service.

A Marca	air	11310 Clevela	nd Gibbs Road	1		ATU YPE
/ / lainte	enance	Roanoke.			117-430-0005	
Registration: N912	2VM Date: 1/30/2009	Tach: 650.3	TTIS: 650.3	ENGINE		
AD 2008-14-07 (fu Performed a pre-in: 74/80 #5) 74/80 #6 defects noted, adde timing satisfactory, within limits, magn I certify this eng	Annual inspection IAW pliance Report this date. all lines) no defects note spection run-up of engin (1975/80), drained oil from d 9 qrts Castrol AD80, comperformed a post inspected so cut off in the off posine has been inspected and above was remained find.	Complied with to d. next due 750.3 te satisfactory, Con warm engine, in cleaned, tested an etion run-up of ensition. Lubricated IAW an Annual	the following AD compression result stalled new CH4 d reinstalled all p ngine, Mag drop d starter and engi	ts #1) 71/80 #2) 72/80 8110-1 oil filter, checolugs, checked magne was normal, static and ine controls.	0 #3) 73/80 #4) eked screen no eto to engine d idle ranges an airworthy	_
and is approved for	ed above was repaired/in	ispected IAW cu rk performed.	rrent regulations	of the Federal Aviation	on Administration	
2		- periorinea.				
Karl S Smith IA 3085657	7					
Marca	air / enance		and Gibbs Road TX 76262			
Pagistration: NO1					317-430-0005	VAT
Registration. 1491	2VM Date: 3/21/2009	Tach: 699.4	TTIS: 699.4	ENGINE	317-430-0005	VAT TYP R
Drained oil from warr	m engine. Replaced oil filter W y with no leaks noted. This a	// CH48110-1, added	TTIS: <b>699.4</b> 9 Qrts. Aeroshell 80\text{\text{80}}	ENGINE W Oil. A post maintenance	run up of the engine was	TYP R
Drained oil from warr performed satisfactor return to service.	m engine. Replaced oil filter W y with no leaks noted. This a	// CH48110-1, added	TTIS: <b>699.4</b> 9 Qrts. Aeroshell 80\text{\text{80}}	ENGINE W Oil. A post maintenance	run up of the engine was	TYP R
Drained oil from warr performed satisfactor return to service.	m engine. Replaced oil filter W y with no leaks noted. This a	// CH48110-1, added	TTIS: <b>699.4</b> 9 Qrts. Aeroshell 80\text{\text{80}}	ENGINE W Oil. A post maintenance	run up of the engine was	TYP R
Drained oil from warr performed satisfactor return to service.	m engine. Replaced oil filter W y with no leaks noted. This a	// CH48110-1, added	TTIS: <b>699.4</b> 9 Qrts. Aeroshell 80\text{\text{80}}	ENGINE W Oil. A post maintenance	run up of the engine was	TYP R
Drained oil from warr performed satisfactor return to service.	m engine. Replaced oil filter W y with no leaks noted. This a	// CH48110-1, added	TTIS: <b>699.4</b> 9 Qrts. Aeroshell 80\text{\text{80}}	ENGINE W Oil. A post maintenance	run up of the engine was	TYP R
Drained oil from warr performed satisfactor return to service.	m engine. Replaced oil filter W y with no leaks noted. This a	// CH48110-1, added	TTIS: <b>699.4</b> 9 Qrts. Aeroshell 80\text{\text{80}}	ENGINE W Oil. A post maintenance	run up of the engine was	TYP R

VATURE,

**TYPE** 



Phone: 817-430-0005

GNATURE. TYPE FR

Registration: N912VM Date: 8/25/2009

Tach: 837.4

TTIS: 837.4

**ENGINE** 

Complied with a 100-hr inspection IAW 14CFR 43-D and Lycoming service manual. Checked AD's through 2009-17. See Compliance Report this date. Complied with the following AD's AD 2008-14-07 (fuel lines) no defects noted. next due 937.4

Performed a pre-inspection run-up of engine satisfactory, Compression results #1) 76/80 #2) 75/80 #3) 76/80 #4) 73/80 #5) 74/80 #6) 77/80, drained oil from warm engine, installed new CH48110-1 oil filter, checked screen no defects noted, added 9 qrts Castrol 100 AD, cleaned, tested and reinstalled all plugs, checked magneto to engine timing satisfactory, performed a post inspection run-up of engine, Mag drop was normal, static and idle ranges within limits, magnetos cut off in the off position. Lubricated engine controls.

I certify this engine has been inspected IAW a 100-hr inspection and is determined to be in an airworthy condition...end

The aircraft identified above was repaired/inspected IAW current regulations of the Federal Aviation Administration and is approved for return to service per work performed.

Karl S Smith AP 3085657



11310 Cleveland Gibbs Road Roanoke, TX 76262

Phone: 817-430-0005

Registration: N912VM Date: 9/26/2009

Tach: 886.5

TTIS: 886.5

**ENGINE** 

Drained oil from warm engine. Replaced oil filter W/ CH48110-1, added 9 Orts. Castrol Aviator 100AD. A post maintenance run up of the engine was performed satisfactory with no leaks noted. This aircraft was serviced IAW Cessna service manuals and FAA regulations and is approved for return to service

Karl S Smith AP 3085657

DATI



11310 Cleveland Gibbs Road Roanoke, TX 76262

Phone: 817-430-0005

Registration: N912VM Date: 11/10/2009

Tach: 902.7

TTIS: 902.7

**ENGINE** 

On investigation for fuel leaking out of engine drains found fuel leaking from flow divider case drain and engine driven fuel pump case drain, removed and sent for overhaul, reference Ametek B&S Aircraft Wichita KS work order #'s R09-05237 & R09-05238 for details. reinstalled same overhauled pump P/N RG17980U/M S/N C5762 and same overhauled flow divider P/N 2576564-1 63B22999 S/N 0630312. A post maintenance run up of the engine was performed satisfactory from idle to static limits with no leaks or defects noted. This aircraft was serviced IAW Cessna & Lycoming service manuals and FAA regulations and is approved for return to service.

DAT



11310 Cleveland Gibbs Road Roanoke, TX 76262

Phone: 817-430-0005

TURE, PE

Registration: N912VM Date: 11/10/2009

Tach: 902.7

TTIS: 902.7

**ENGINE** 

Complied with AD 2008-14-07. No defects noted. Due @ next	100 hr This aircraft is approved for return to service.	
Karl S Smith AP 3085657		
	1	

2009	919	0	Adjusted Slope Manifold Prossure Confroller per Lycoming Service Instruction. Aircraft toturned to service	(Hart a Shets 2162239 A/P



11310 Cleveland Gibbs Road Roanoke, TX 76262

TTIS: 932.7

Phone: 817-430-0005

**ENGINE** 

SIGNATURE. TE TYPE **MBER** 

Registration: N912VM Date: 12/10/2009 Complied with an Annual inspection IAW 14CFR 43-D and Lycoming service manual. Checked AD's through

Tach: 932.7

2009-25. See Compliance Report this date. Complied with the following AD's AD 2008-14-07 (fuel lines) no defects noted. next due 1032.7

Performed a pre-inspection run-up of engine satisfactory, Compression results #1) 77/80 #2) 74/80 #3) 78/80 #4) 76/80 #5) 78/80 #6) 77/80, drained oil from warm engine, installed new CH48110-1 oil filter, checked screen no defects noted, added 9 qrts Aeroshell 80W, replaced TIT thermocouple P/N TE-12525-01, cleaned, tested and reinstalled all plugs, checked magneto to engine timing satisfactory, performed a post inspection run-up of engine, Mag drop was normal, static and idle ranges within limits, magnetos cut off in the off position. Lubricated engine controls.

I certify this engine has been inspected IAW an Annual inspection and is determined to be in an airworthy condition...end

The aircraft identified above was repaired/inspected IAW current regulations of the Federal Aviation Administration and is approved for return to service per work performed.

_	Karl S Smith IA 3085657		
	1 1 1		



Phone: 817-430-0005

NATURE, TYPE

Registration: N912VM Date: 1/25/2010

Tach: 992.1

TTIS: 992.1

**ENGINE** 

Drained oil from warm engine. Replaced oil filter W/ CH48110-1, added 9 Qrts. Aeroshell 80AD. A post maintenance run up of the engine was performed satisfactory with no leaks noted. This aircraft was serviced IAW Cessna & Lycoming service manuals and FAA regulations and is approved for return to service.

Karl S Smith	AP 3085657		
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1 1			



11310 Cleveland Gibbs Road Roanoke, TX 76262

Phone: 817-430-0005

YPE

Registration: N912VM Date: 3/25/2010

Tach: 1031.7

TTIS: 1031.7

**ENGINE** 

Complied with a 100-hr inspection IAW 14CFR 43-D and Lycoming service manual. Checked AD's through 2010-06. See Compliance Report this date. Complied with the following AD's

AD 2008-14-07 (fuel lines) no defects noted. next due 1131.7

Performed a pre-inspection run-up of engine satisfactory, Compression results #1) 77/80 #2) 76/80 #3) 76/80 #4) 76/80 #5) 78/80 #6) 75/80, drained oil from warm engine, installed new CH48110-1 oil filter, checked screen no defects noted, added 9 qrts Castrol 100W, cleaned, tested and reinstalled all plugs, checked magneto to engine timing satisfactory, replaced all 6 rocker box gaskets with new 75906, performed a post inspection run-up of engine, Mag drop was normal, static and idle ranges within limits, magnetos cut off in the off position. Lubricated engine controls.

I certify this engine has been inspected IAW a 100-hr inspection and is determined to be in an airworthy condition...end

The aircraft identified above was repaired/inspected IAW current regulations of the Federal Aviation Administration and is approved for return to service per work performed.



Phone: 817-430-0005

GNATURE, E TYPE

> ANATURE, TYPE ER

Registration: N912VM Date: 4/30/2010

Tach: 1088.1

TTIS: 1088.1

**ENGINE** 

Drained oil from warm engine. Replaced oil filter W/ CH48110-1, added 9 Qrts. Castrol Aviator 100AD. A post maintenance run up of the engine was performed satisfactory with no leaks noted. This aircraft was serviced IAW Cessna & Lycoming service manuals and FAA regulations and is approved for return to service.

Karl S Smith AP 3085657

#### MAINTENANCE RECORD

Marcair / aintenance

11310 Cleveland Gibbs Road Roanoke, TX 76262

Phone: 817-430-0005

Registration: N912VM Date: 5/18/2010

Tach: 1123.6 TTIS: 1123.6

**ENGINE** 

Complied with a 100-hr inspection IAW 14CFR 43-D and Lycoming service manual. Checked AD's through 2010-10. See Compliance Report this date. Complied with the following AD's AD 2008-14-07 (fuel lines) no defects noted, next due 1223.6.

Performed a pre-inspection run-up of engine satisfactory, Compression results #1) 78/80 #2) 78/80 #3) 74/80 #4) 78/80 #5) 78/80 #6) 78/80, drained oil from warm engine, installed new CH48110-1 oil filter, checked screen no defects noted, added 9 qrts Aeroshell 15W50, cleaned, tested and reinstalled 11 plugs, installed 1 new plug, checked magneto to engine timing satisfactory, performed a post inspection run-up of engine, Mag drop was normal, static and idle ranges within limits, magnetos cut off in the off position. Lubricated engine controls.

I certify this engine has been inspected IAW a 100-hr inspection and is determined to be in an airworthy condition...end

The aircraft identified above was repaired/inspected IAW current regulations of the Federal Aviation Administration and is approved for return to service per work performed.

J. Hart Van Meter AP 2162239



Phone: 817-430-0005

GNATURE, E TYPE IER

	itisfactory with r	no leaks noted. This air	reraft was serviced L	AW Cessna & Lycom	/50. A post maintenance run up ning service manuals and FAA	regulations and is
approved for	rejum to service	Dr. Ao				
L Hart Van N	Aeter AP 216223	9				
J. Franc yan N	1 1	,				1 -
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N	<b>arcai</b>	To ance		eland Gibbs Road		430 0005
N	arcai ainten	in ance		eland Gibbs Road e. TX 76262	d Phone: 817-	
Registra	ainten	M Date: 7/9/2010		e. TX 76262		
(Indiamental)	ainten		Roanoki Tach: 1198.	e. TX 76262 9 TTIS: 1198.9	Phone: 817- ENGINE	430-13005
Compli	aintenation: N912V	-hr inspection IAW	Roanoki Tach: 1198.9 V 14CFR 43-D an	<ul><li>e. TX 76262</li><li>9 TTIS: 1198.9</li><li>nd Lycoming service</li></ul>	Phone: 817-	430-13005
Compli 14. See	ation: N912V ed with a 100 Compliance I	-hr inspection IAW Report this date. Co	Tach: 1198.9  V 14CFR 43-D an omplied with the	9 TTIS: 1198.9 ad Lycoming service following AD's	Phone: 817- ENGINE	430-13005
Compli 14. See AD 200	ation: N912V ed with a 100 Compliance I 08-14-07 (fuel	-hr inspection IAW Report this date. Colines) no defects n	Tach: 1198.9  V 14CFR 43-D an omplied with the oted. next due 10	9 TTIS: 1198.9  nd Lycoming service following AD's 1298.9	Phone: 817- ENGINE ce manual. Checked AD's	430-13005 through 2010-
Compli 14. See AD 200 Perform	ation: N912V ed with a 100 Compliance I 08-14-07 (fuel ned a pre-insp	-hr inspection IAW Report this date. Colines) no defects nection run-up of en	Tach: 1198.9  V 14CFR 43-D an omplied with the oted. next due 10 gine satisfactory,	9 TTIS: 1198.9  nd Lycoming service following AD's 132.7 1398.4 Compression resu	Phone: 817-  ENGINE  ce manual. Checked AD's  alts #1) 76/80 #2) 78/80 #	through 2010-
Compli 14. See AD 200 Perform 76/80 #	ation: N912V ed with a 100 Compliance I 08-14-07 (fuel ned a pre-insp 15) 77/80 #6) 7	-hr inspection IAW Report this date. Co- lines) no defects nection run-up of en 78/80, drained oil fi	Tach: 1198.9  V 14CFR 43-D an omplied with the oted. next due 10 gine satisfactory, rom warm engine	9 TTIS: 1198.9  nd Lycoming service following AD's 132.7 1398.4  Compression results, installed new CH	Phone: 817- ENGINE  ce manual. Checked AD's  alts #1) 76/80 #2) 78/80 #  148110-1 oil filter, checked	through 2010-
Compli 14. See AD 200 Perform 76/80 # defects	ation: N912V ed with a 100 Compliance I 08-14-07 (fuel ned a pre-insp (5) 77/80 #6) 7 noted, added	-hr inspection IAW Report this date. Collines) no defects nection run-up of en 78/80, drained oil fi 9 qrts Aeroshell 15	Tach: 1198.9  V 14CFR 43-D an omplied with the oted. next due 10 gine satisfactory, rom warm engine W50.Installed ne	9 TTIS: 1198.9  nd Lycoming service following AD's 132.7 1398.4  Compression results, installed new CH www. RHM-37E spark	Phone: 817- ENGINE  ce manual. Checked AD's  alts #1) 76/80 #2) 78/80 #  148110-1 oil filter, checked kplugs. checked magneto t	through 2010-
Compli 14. See AD 200 Perform 76/80 # defects timing s	ation: N912V ed with a 100 Compliance I 08-14-07 (fuel and a pre-insp 15) 77/80 #6) 7 noted, added satisfactory, p	r-hr inspection IAW Report this date. Co- lines) no defects no ection run-up of en 78/80, drained oil fr 9 qrts Aeroshell 15 erformed a post ins	Tach: 1198.9  V 14CFR 43-D an omplied with the oted. next due 10 gine satisfactory, rom warm engine W50.Installed ne spection run-up of	9 TTIS: 1198.9  nd Lycoming service following AD's 132.7 1398.4  Compression results, installed new CH www. RHM-37E sparker fengine, Mag drop	Phone: 817- ENGINE  ce manual. Checked AD's  alts #1) 76/80 #2) 78/80 #  148110-1 oil filter, checked kplugs. checked magneto to was normal, static and id	through 2010-
Compli 14. See AD 260 Perform 76/80 # defects timing s within I	ed with a 100 Compliance I 08-14-07 (fuel ned a pre-insp 15) 77/80 #6) 7 noted, added satisfactory, p limits, magnet	-hr inspection IAW Report this date. Collines) no defects nection run-up of en 78/80, drained oil fi 9 qrts Aeroshell 15 erformed a post insos cut off in the off	Roanoka  Tach: 1198.9  V 14CFR 43-D an omplied with the oted. next due 10 gine satisfactory, rom warm engine W50.Installed ne spection run-up of position. Lubrica	9 TTIS: 1198.9  nd Lycoming service following AD's 122.7 1298.4  Compression results, installed new CH www. RHM-37E sparked engine, Mag dropated engine control	Phone: 817- ENGINE  ce manual. Checked AD's  alts #1) 76/80 #2) 78/80 #  148110-1 oil filter, checked kplugs. checked magneto to was normal, static and idols.	through 2010- 43) 76/80 #4) d screen no to engine lle ranges
Compli 14. See AD 260 Perform 76/80 # defects timing s within I I ce	ation: N912V ed with a 100 Compliance I 08-14-07 (fuel ned a pre-insp 15) 77/80 #6) 7 noted, added satisfactory, p limits, magnet rtify this engin	-hr inspection IAW Report this date. Collines) no defects nection run-up of en 78/80, drained oil fi 9 qrts Aeroshell 15 erformed a post insos cut off in the off	Roanoka  Tach: 1198.9  V 14CFR 43-D an omplied with the oted. next due 10 gine satisfactory, rom warm engine W50.Installed ne spection run-up of position. Lubrica	9 TTIS: 1198.9  nd Lycoming service following AD's 122.7 1298.4  Compression results, installed new CH www. RHM-37E sparked engine, Mag dropated engine control	Phone: 817- ENGINE  ce manual. Checked AD's  alts #1) 76/80 #2) 78/80 #  148110-1 oil filter, checked kplugs. checked magneto to was normal, static and id	through 2010- 43) 76/80 #4) d screen no to engine lle ranges
Compli 14. See AD 260 Perform 76/80 # defects timing s within I I cer condition	ation: N912Vined with a 100 Compliance I 08-14-07 (fuel med a pre-inspect) 77/80 #6) 7 noted, added satisfactory, plimits, magnet rtify this enginenceend	-hr inspection IAW Report this date. Collines) no defects mection run-up of en 78/80, drained oil fr 9 qrts Aeroshell 15 erformed a post ins os cut off in the off ne has been inspect	Roanoka Tach: 1198.9 V 14CFR 43-D an omplied with the oted. next due 10 gine satisfactory, rom warm engine W50.Installed ne spection run-up of position. Lubric ed IAW a 100-hi	9 TTIS: 1198.9  Ind Lycoming service following AD's 132.7 1398.4  Compression results, installed new CH www. RHM-37E sparled fengine, Mag drop ated engine controlor inspection and is	Phone: 817- ENGINE  ce manual. Checked AD's  alts #1) 76/80 #2) 78/80 #  148110-1 oil filter, checked  kplugs. checked magneto to  by was normal, static and id  ols.  determined to be in an air	through 2010- 23) 76/80 #4) d screen no co engine alle ranges
Compli 14. See AD 260 Perform 76/80 # defects timing s within I I ce condition The airc	ation: N912Vined with a 100 Compliance 108-14-07 (fuel and a pre-inspector, plants, magnet ratify this enginence of the control of the contro	-hr inspection IAW Report this date. Collines) no defects mection run-up of en 78/80, drained oil fr 9 qrts Aeroshell 15 erformed a post ins os cut off in the off ne has been inspect	Tach: 1198.9  V 14CFR 43-D an omplied with the oted. next due 10 gine satisfactory, rom warm engine W50.Installed new spection run-up of position. Lubrice d IAW a 100-hi	9 TTIS: 1198.9  nd Lycoming service following AD's 122.7 1298.4  Compression results, installed new CH are RHM-37E spark fengine, Mag drop ated engine control r inspection and is	Phone: 817- ENGINE  ce manual. Checked AD's  alts #1) 76/80 #2) 78/80 #  148110-1 oil filter, checked kplugs. checked magneto to was normal, static and idols.	through 2010- 23) 76/80 #4) d screen no co engine alle ranges



Phone: 817-430-0005

IATURE, YPE

Registration: N912VM Date: 8/1/2010

Tach: 1246.0

TTIS: 1246.0

**ENGINE** 

_	Drained oil from warm engine. Replaced oil filter W/ CH48110-1, added 9 Qrts. Aeroshell 15W50. A post maintenance run up of the approved for return to service.  This aircraft was serviced IAW Cessna & Lycoming service manuals and FAA regulated to the approved for return to service.	engine was
	Karl S Smith AP 3085657	
	Marcair II310 Cleveland Gibbs Road Roanoke. TX 76262 Phone: 817-430-0	0005 3NATURE
	Registration: N912VM Date: 9/15/2010 Tach: 1288.2 TTIS: 1288.2 ENGINE	TYPE ER
	Complied with a 100-hr inspection IAW 14CFR 43-D and Lycoming service manual. Checked AD's through 19. See Compliance Report this date. Complied with the following AD's AD 2008-14-07 (fuel lines) no defects noted, next due 1388.2 Performed a pre-inspection run-up of engine satisfactory, Compression results #1) 73/80 #2) 75/80 #3) 77/80 74/80 #5) 78/80 #6) 76/80, drained oil from warm engine, installed new CH48110-1 oil filter. Checked screen defects noted, added 9 qrts Aeroshell 15W50. Installed one new RHM-37E sparkplugs. Checked magneto to timing satisfactory. Performed a post inspection run-up of engine, Mag drop was normal, static and idle range within limits, magnetos cut off in the off position. Lubricated engine controls.  I certify this engine has been inspected IAW a 100-hr inspection and is determined to be in an airworthy	0 #4) n no engine

J. Hart Van Meter AP 2162239

and is approved for return to service per work performed.

condition...end

09/20/2010 1298 2 Reinstalled orifice. Ran ensine. Operation 2162239

The aircraft identified above was repaired/inspected IAW current regulations of the Federal Aviation Administration

Marcair /	11310 Cleveland Gibbs F Roanoke. TX 76262		NAT
Registration: N912VM Date: 9/27/20	The state of the s		-
Complied with AD 2008-14-07 IAW Lycoming	SB 342F dated June 4 2010. No defects r	noted. This aircraft is approved for return to service.	_
Karl S Smith AP 3085657	series en a currer .		
Marcair	11310 Cleveland Gibbs I Roanoke, TX 76262		_
Registration: N912VM Date: 10/4/201	The same of the sa		The State of the S
4, 2010 No dejects noted. Performed engine run	and P/N LW18/3/ (6 each) Complied v	ssure coupling hoses and replaced with new Upper I with AD 2008-14-07 IAW Lycoming SB 342F dated proved for return to service.	Deck June
Hayl Van Moter AP 2162239			
Marcair	11310 Cleveland Gibbs Roa Roannke TX 75252	nd Phone: 817-430-0005	
Marcair aintenance	Roanoke. TX 76262	Phone: 617-430-0003	SIGNA'
egistration: N912VM Date: 10/19/2010	Roanoke. TX 76262  Tach: 1339.3 TTIS: 1339.3	Phone: 617-430-0003	ATE TYP ABER



Phone: 817-430-0005

TURE E

Registration: N912VM Date: 12/9/2010

Tach: 1384.4

TTIS: 1384.4

**ENGINE** 

Complied with an Annual inspection IAW 14CFR 43-D and Lycoming service manual. Checked AD's through 2010-25. See Compliance Report this date. Complied with the following AD's

AD 2008-14-07 (fuel lines) no defects noted, next due 1484.4

Performed a pre-inspection run-up of engine satisfactory, Compression results #1) 77/80 #2) 77/80 #3) 77/80 #4) 77/80 #5) 78/80 #6) 77/80, drained oil from warm engine, installed new CH48110-1 oil filter. Checked screen no defects noted, added 9 qrts Aeroshell 15W50. Checked magneto to engine timing satisfactory. Performed a post inspection run-up of engine, Mag drop was normal, static and idle ranges within limits, magnetos cut off in the off position. Lubricated engine controls.

l certify this engine has been inspected IAW an Annual inspection and is determined to be in an airworthy condition...end

The aircraft identified above was repaired/inspected IAW current regulations of the Federal Aviation Administration and is approved for return to service per work performed.

Karl S Smith IA 3085657









11310 Cleveland 6ibbs Road Roanoke, TX 76262

Phone: 817-430-0005

Registration: N912VM Date: 12/29/2010

Tach: 1394.0

TTIS: 1394.0

**ENGINE** 

NATURE. TYPE

Pilot reports fuel leaking out of engine fuel pump case drain, found mixure not fully closed, performed engine runup from idle to static with no defects noted, pulled mixture to full cut off and let aircraft sit 24 hrs with no further fuel drips from engine driven fuel pump case drain. This aircraft was serviced IAW Cessna & Lycoming service manuals and FAA regulations and is approved for return to service.

Karl S Smith AP 3085657



11310 Cleveland Gibbs Road Roanoke, TX 76262

Phone: 817-430-0005

Registration: N912VM Date: 2/25/2011

Tach: 1423.2

TTIS: 1423.2

**ENGINE** 

Removed defective TIT probe and replaced with new P/N TE-12525-01, removed leaking engine driven fuel pump and sent for overhaul, reference Ametek of Wichita KS work order R11-01050 for details, reinstalled same pump P/N RG17980U/M S/N C5762. Performed engine runup and extformed check of probe and leak check of pump with no defects noted. Work performed IAW cessna MM and Lycoming overhaul manual. This aircraft is approved for return to service.



11310 Develand 6ibbs Road Roanoke. TX 76262

Phone: 817-430-0005

NATURE, TYPE .R

Registration: N912VM Date: 3/15/2011

Tach: 1443.4

TTIS: 1443.4

**ENGINE** 

Drained oil from warm engine. Replaced oil filter W/ CH48110-1, added 9 Qrts. Aeroshell 15W50. A post maintenance run up of the engine was performed satisfactory with no leaks noted. This aircraft was serviced IAW Cessna & Lycoming service manuals and FAA regulations and is approved for return to service.

Karl S Smith AP 3085657

Registration: N912VM Date: 4/13/2011

Tach: 1476.2

TTIS: 1476.2

**ENGINE** 

Complied with a 100-hr inspection IAW 14CFR 43-D and Lycoming service manual. Checked AD's through 2011-08. See Compliance Report this date. Complied with the following AD's: AD 2008-14-07 (fuel lines) no defects noted, next due 1576.2 Performed a pre-inspection run-up of engine satisfactory, Compression results #1) 77/80 #2) 76/80 #3) 75/80 #4) 76/80 #5) 78/80 #6) 74/80, drained oil from warm engine, installed new CH48110-1 oil filter. Checked screen no defects noted, added 9 qrts Aeroshell 15W50. Checked magneto to engine timing satisfactory. Performed a post inspection run-up of engine, Mag drop was normal, static and idle ranges within limits, magnetos cut off in the off position. Lubricated engine controls.

I certify this engine has been inspected IAW a 100-hr inspection and is determined to be in an airworthy condition...end

The aircraft identified above was repaired/inspected IAW current regulations of the Federal Aviation Administration and is approved for return to service per work performed.

J. Haft Van Meter AP 2162239











11310 Cleveland Gibbs Road Roanoke, TX 76262

Phone: 817-430-0005

SIGNATURE, ATE TYPE MBER

Registration: N912VM Date: 7/2/2011

Tach: 1516.6

TTIS: 1516.6

**ENGINE** 

AD 2011-13-03 N/A per more then 50 hrs TIS since new, no further action required

Karl S Smith AP 3085657



11310 Cleveland Gibbs Road Roanoke, TX 76262

Phone: 817-430-0005

Registration: N912VM Date: 7/12/2011

Tach: 1524.7

TTIS: 1524.7

ENGINE

Drained oil from warm engine. Replaced oil filter W/ CH48110-1, added 9 Qrts. Aeroshell 15W50. A post maintenance run up of the engine was performed satisfactory with no leaks noted. This aircraft was serviced IAW Cessna & Lycoming service manuals and FAA regulations and is approved for return to service.

Taylor D. Mara P pending



Phone: 817-430-0005

IGNATURE E TYPE IER

Registration: N912VM Date: 8/16/2011

Tach: 1570.1

TTIS: 1570.1

**ENGINE** 

Complied with a 100-hr inspection IAW 14CFR 43-D and Lycoming service manual. Checked AD's through 2011-17. See Compliance Report this date. Complied with the following AD's: AD 2008-14-07 (fuel lines) no defects noted, next due 1670.1. Performed a pre-inspection run-up of engine satisfactory, Compression results #1) 78/80 #2) 77/80 #3) 76/80 #4) 77/80 #5) 78/80 #6) 79/80, drained oil from warm engine, installed new CH48110-1 oil filter. Checked screen no defects noted, added 8 qrts Aeroshell 15W50. Checked magneto to engine timing satisfactory. Performed a post inspection run-up of engine, Mag drop was normal, static and idle ranges within limits, magnetos cut off in the off position. Lubricated engine controls. Installed new vacuum pump P/N: AA3215CC S/N: 1553819, operational check normal.

I certify this engine has been inspected IAW a 100-hr inspection and is determined to be in an airworthy condition...end

The aircraft identified above was repaired/inspected IAW current regulations of the Federal Aviation Administration and is approved for return to service per work performed.

Taylor D. Mara AP 3501245







TURE, PE



11310 Cleveland Gibbs Road Roanoke, TX 76262

Phone: 817-430-0005

DA

Registration: N912VM Date: 8/18/201

Tach: 1570.1

TTIS: 1570.1

**ENGINE** 

-15-10 N/A per par (f) No work performed on fuel servo after may 20 2010. no further action required.

Karl S Smith AP 3085657



11310 Cleveland Gibbs Road Roanoke, TX 76252

Phone: 817-430-0005

Registration: N912VM Date: 10/28/2011 Tach: 1638.7

TTIS: 1638.7

**ENGINE** 

Drained oil from warm engine. Replaced oil filter W/ CH48110-1, added 9 Qrts. Aeroshell 15W50. A post maintenance run up of the engine was performed satisfactory with no leaks noted. This aircraft was serviced IAW Cessna & Lycoming service manuals and FAA regulations and is approved for return to service.

Taylor D. Mara AP 3501245



Phone: 817-430-0005

URE.

Registration: N912VM Date: 11/19/2011

Tach: 1661.8 TTIS: 1661.8 **ENGINE** 

Complied with AD2008-14-07, next due 1761.8. END

Taylor D. Mara AP 3501245









#### MAINTENANCE RECORD

DATE

TOTAL TIME IN SERVICE

DESCRIPTION OF THE WORK PERFORMED

AUTHORIZED SIGNATURE. CERTIFICATE TYPE



11310 Cleveland Gibbs Road Roanoke, TX 76262

Phone: 817-430-0005

Registration: N912VM Date: 12/10/2011 Tach: 1673.4

TTIS: 1673.4

**ENGINE** 

Complied with an Annual inspection IAW 14CFR 43-D and Lycoming service manual. Checked AD's through 2011-26. See Compliance Report this date. Complied with the following AD's: AD 2008-14-07 (fuel lines) no defects noted, next due 1773.4 Performed a pre-inspection run-up of engine satisfactory, Compression results #1) 77/80 #2) 78/80 #3) 78/80 #4) 78/80 #5) 79/80 #6) 78/80, drained oil from warm engine, installed new CH48110-1 oil filter. Checked screen no defects noted, added 9 qrts Aeroshell 15W50. Checked magneto to engine timing satisfactory. Performed a post inspection run-up of engine, Mag drop was normal, static and idle ranges within limits, magnetos cut off in the off position. Lubricated engine controls.

I certify this engine has been inspected IAW an Annual inspection and is determined to be in an airworthy condition...end

The aircraft identified above was repaired/inspected IAW current regulations of the Federal Aviation Administration and is approved for return to service per work performed.



Phone: 817-430-0005

Registration: N912VM Date: 1/26/2012

Tach: 1722.7

TTIS: 1722.7

**ENGINE** 

Drained oil from warm engine. Replaced oil filter W. CH48110-1, added 9 Qrts. Aeroshell 15W50. A post maintenance run up of the engine was performed satisfactory with no leaks noted. This aircraft was serviced IAW Cessna & Lycoming service manuals and FAA regulations and is approved for return to service.

Taylor D. Mara AP 3501245

TURE PE

Registration: N912VM Date: 4/27/2012

Tach: 1769.9

**ENGINE** 

Installed 12 (twelve) new RHM-37E spark plugs. Drained oil from warm engine. Installed new CH48110-1 oil filter. Added 8 quarts AeroShellW 15W50. Accomplished leak check and run-up of engine. Performance normal and no leaks noted. Complied with AD 2008-14-07 (fuel lines), no defects noted. Next due at 1869.9 tach hours. Aircraft serviced IAW Cessna & Lycoming service manuals and FAA regulations and is approved for return to servide

√ Hart Van Meter AP 2162239





ATURE.

Registration: N912VM Date: 6/10/2012 Tach: 1814.0 TTIS: 1814.0

**ENGINE** 

DATE

Drained oil from warm engine. Replaced oil filter with CH48110-1 filter. Inspected oil screen. Serviced engine with 8 quarts Aeroshell 15W50 oil and 13 oz. of CamGuard. Conducted post maintenance run-up of engine. No leaks or defects noted. This aircraft was serviced IAW current Cessna Service Manuals and FAA regulations and is approved for return to service. END.

J. Hart Van Meter, A&P 2162239

Registration: N912VM Date: 9/12/2012 Tach: 1856.8 TTIS: 1856.8

**ENGINE** 

Complied with AD 2008-14-07 (fuel line inspection). No defects noted. Next inspection due 1956.8 hours. This aircraft was serviced IAW current Cessna Service Manuals and FAA regulations and is approved for return to service. END.

J. Hart/Van Meter, A&P 2162239

Registration: N912VM Date: 11/17/2012 Tach: 1868.5 TTIS: 1868.5

**ENGINE** 

Drained warm oil. Replaced oil filter with CH48110-1 filter. Inspected oil screen. Serviced engine with 7 quarts AeroShell 15W50 oil and 14 oz. CamGuard. Complied with AD 2008-14-7 (fuel line inspedtion). No defects noted. Checked cylinder compressions: 1) 76/80 2) 76/80 3) 76/80 4) 78/80 5) 78/80 6) 76/80. Removed magnetos for inspection. Reinstalled inspected and repaired magnetos with two new cushion blocks, P/N 68H22624 and new gaskets at each magneto. This aircraft was serviced IAW current Cessna Service Manuals and FAA regulations and is approved for return to service. END

J. Hart Van Meter, A&P 2162239

## MAINTENANCE RECORD

ENGINE

Registration: N912VM Date: 2/15/2013 Tach: 1908.8 TTIS: 1908.8

cylinder cor both magne connector t 1821 Repla with new O- wastegate. I Inspected fu- serviced IAV	from warm engine, collected sample for SOAP. Remove 100, torqued and lock wired. No defects noted: Installe inpression: 1-77, 80, 2-78/80, 3-76/80, 4-76/80, 5-78/80 tos timed at 23° BTDC. Removed and re-installed all incides with Lycoming P/N 71699. Removed and re-installed with Lycoming P/N 71699. Removed and re-installed of Lycoming P/N MS29S13-138. Removed and re-installed all EGT probes and lock wired delinjector lines per AD 2008-14-7 and replaced one class of current Cessna and Lycoming Service Manuals and FA	d new oil filter, Tempest P/N A48110-, b. 6 78/80. Added 7 quarts Aeroshell 1 duction tubes with new gaskets and co ed all oil drain tube assemblies with ne 68/61. Removed and re-installed over falled all exhaust components with new screw clamps. Replaced TIT sensor with mps. P/N MS21919 WD63. Next inspe-	2; torqued and lock-wired. Recorded 5-50 oil and 13 Oz. CamGuard. Checked smeetor hoses. Repaced loose #6 w drain hoses, Lycoming P/N STD-chauled manifold pressure relief valve w exhaust gaskets, overhauled hinew Cessna P/N Tt. 1255-01.
J. Hart Va	Meter, ANP 2162239 J. Harrin	Thete	
Registrat	ion: N912VM Date: 3/7/2013 Tach	n: <b>1908.8</b> TTIS: <b>1908.8</b>	ENGINE
05-00-00 CFR Title	in 100 Hour inspection of this engine wents outlined in CFR Title 43 Appendix (Paragraph 2. B. (2) in accordance with 14 Part 39 was used in compliance with access including airworthy items was give	D and the current Cessna T1 CFR Title 14 Part 43.13 (a). / applicable Airworthiness D	182T Service Manual Section Additional data required by
	y A&P/IA 2785636 Censell of	1	
	MAINTE	NANCE RECORD	
Registrat	MAINTE		ENGINE
Inspecte		: <b>1908.8</b> TTIS: <b>1908.8</b> lance with AD 2011-26-04 pa	aragraph (h) and (i). See
Inspecte discrepa	ion: <b>N912VM</b> Date: <b>3/7/2013</b> Tach	: <b>1908.8</b> TTIS: <b>1908.8</b> lance with AD 2011-26-04 pawith Title 14 CFR Part 43 Ap	aragraph (h) and (i). See
Inspected discrepation of the control of the contro	ion: N912VM Date: 3/7/2013 Tached fuel injector lines and clamps in accordance list provided to owner in accordance by A&P/IA 2785636  ion: N912VM Date: 3/10/2013 Tached	th: 1909.1 TTIS: 1909.1	eragraph (h) and (i). See opx D.
Inspected discrepated for the second	tion: N912VM Date: 3/7/2013 Tached fuel injector lines and clamps in accordance list provided to owner in accordance by A&P/IA 2785636	th: 1909.1 TTIS: 1909.1	eragraph (h) and (i). See opx D.
Inspected discrepation of the control of the contro	ion: N912VM Date: 3/7/2013 Tached fuel injector lines and clamps in accordance list provided to owner in accordance by A&P/IA 2785636  ion: N912VM Date: 3/10/2013 Tached accordance list provided to owner in accordance list provided t	th: 1909.1 TTIS: 1909.1	eragraph (h) and (i). See opx D.
Inspected discrepation of the control of the contro	ion: N912VM Date: 3/7/2013 Tached fuel injector lines and clamps in accordance by A&P/IA 2785636  ion: N912VM Date: 3/10/2013 Tached and the service of the	th: 1909.1 TTIS: 1909.1	eragraph (h) and (i). See opx D.
Inspected discrepation of the control of the contro	ion: N912VM Date: 3/7/2013 Tached fuel injector lines and clamps in accordance by A&P/IA 2785636  ion: N912VM Date: 3/10/2013 Tached and the service of the	th: 1909.1 TTIS: 1909.1	eragraph (h) and (i). See opx D.
Inspected discrepation of the control of the contro	ion: N912VM Date: 3/7/2013 Tached fuel injector lines and clamps in accordance by A&P/IA 2785636  ion: N912VM Date: 3/10/2013 Tached and the service of the	th: 1909.1 TTIS: 1909.1	eragraph (h) and (i). See opx D.

## MAINTENANCE RECORD

		-			01/00/2007								
R	egistrati	on: N	<b>912VM</b> D	ate: <b>3/2</b> :	1/2013	Tach:	1911.3	TTIS:	1911.3	E	NGINE		
- Re	moved eng	ine drive	en fuel numn to	renair shaft s	cal look De							762. Refer to	
Wa	as serviced I	IAW curr	sories, Inc. (Reparent Lycoming ar	d Cessna Ser	vice Manu	ork Order \ als and FA	NO1170007 A regulation	7587. Pres	ssurized fue	el pump; or return	no leaks note	d. This aircraft	
_	ax	Kai	N an	Dret	1							<b>.</b>	
J. I	Hart Van	Meter,	A&P 216223	9	~								
Rei	gictratio	n. NO	121/04	- t-		_				_			
			12VM Da								NGINE		_
Rem Syste	oved and reems, Inc. W	e-installe 1/0# 461	ed overhauled Si	oped Turboo	harger Cor	troller, Ke	lly Aerospa	ce P/N 48	1058-0008	S, S/N HD	N00902. Refe	er to Main Turbo	
FAA	regulations	and is a	18. Operational pproved for retu	irn to service	END.	aircraft wa	s serviced	IAW curre	ent Cessna	and Lyce	oming Service	Manuals and	
	11	How	Na)	roots									-
J. Ha	Van IV	leter, A	&P 2162239	100									
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!	Registra	tion:	N912VM	Date: <b>7/</b> :	18/201	<b>3</b> Tach:	1963.0	TTIS	: 1963.	.0	ENGINE		
_	Drained oil	from wa	rm engine. Rem	oved oil filter	r. Submitte	d oil samp	le and filter	for SOAP	. Removed	oil scree	n, inspected, i	re-installed with	-
	new gasket	t, P/N 06	E19769-1.00; to inder compressi	rqued and loc	ck-wired. N	o defects r	noted. Insta	lled new	oil filter, Te	mpest P	/N A48110-2:	torqued and lock-	
	plugs. Re-ir	nstalled a	all plugs with nev	w gaskets, tor	rqued to 42	20 in-lb. Ad	ded 7 quart	ts Phillips	66 X/C SAE	20/50 o	il. Replaced bo	oth magneto	
-	Pressure Sv	coming F witch, Ce	P/N LW-12681 ai ssna P/N 83278	nd both magr in accordance	neto adapte e with Cess	er gaskets, sna Mainte	Lycoming P nance Man	V/N 62224 ual, Chap	. Timed bot ter 4. Airwo	th magne orthiness	etos to 23° BTI Limitations, N	DC. Replaced Oil lext due at 4963.0	
	hours TTIS.	Remove	ed all fuel injecto	rs, cleaned, r	eplaced pa	ckings, P/N	951391, re	e-assembl	ed and re-in	nstalled	all fuel injecto	rs, torqued to 55	
	Cylinder #3	lled new 3 connect	upper deck pres tion. Inspected f	sure coupling uel iniector li	g hoses, P/I nes and cla	N LW18737	7 (6) and P/I ordance wit	N STD204	8 (2) . Clear	ned Man	ifold Pressure	Sensor and line at	
_	Next due a	t 2063.0	hours TTIS. This	engine was s	erviced IAV	V current L	ycoming an	nd Cessna	Service Ma	anuals an	d FAA regulat	ions and is	
	approved f	or return	to service. END	10									
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_	J. Hart V	an Met	er, A&P 2162	239									
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MAINTENANCE RECORD TOTAL TIME DATE IN SERVICE AUTHORIZED SIGNATURE. DESCRIPTION OF THE WORK PERFORMED CERTIFICATE TYPE Registration: N912VM Date: 12/26/2013 Tach: 2016.2 TTIS: 2016.2 ENGINE Drained oil from warm engine. Recorded cylinder compression: 1-76/80, 2-77/80, 3-73/80, 4-77/80, 5-79/80, 6-77/80. Removed oil Filter. Submitted oil sample for SOAP. Removed oil screen, inspected, re-installed with new gasket, P/N 06E19769-1.00, torqued and lock-wired. No defects noted Installed new oil filter, Tempest P/N A48110-2, torqued and lock-wired. Removed all twelve spark plugs and replaced with new, gapped and tested Tempest plugs, P/N URHB37E with new plug gaskets, torqued to 420 in-lb. Added 8 quarts Phillips 66 X/C SAE 20/50 oil. Inspedted fuel injector lines and clamps IAW AD 2011-26-04, paragraph (h) and (i). No defects noted. Next due at 2116.2 hours TTIS. This engine was serviced IAW current Lycpming and Cessna Service Manuals and FAA regulations and is approved for return to service. END. J. Hart Van Meter, A&P 2162239 Kecord

#### **LIFE LIMITED PARTS SUMMARY**

				COMPONENT		REMAINING		REMOVAL DUE AT			
DATE	DESCRIPTION	PART NO.	SERIAL NO.	Hours	Cycles	Hours	Cycles	Hours	Cycles	SIGNATURE	
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