

ASA-SE-2

Engine Record General Info	rmation	
Serial RL-5/	Model $7/0$ 85 -61 A Type Certificate M 8//8 \geq	~540 -51AD
Minimum Octane Fuel	Oil Grade Summer	Winter
Magneto Time	Point Setting	Firing Order
Spark Plug Gap		
	Overhaul at 1800 hours	

ES, INC.	185-61A	DESCRIPTION	Filter, Oil	Gear Kit, Oil Pump	Gasket, Cover	Strips	Rivets	O-Ring											-	,															
ZED SERVIC	22657_CUSTOMER: Bill Waterman 8_MODEL: TIO:540-S1AD_S/N: RL-5	PART#	CH48103-1	05K23463	A51-10BS-II	10-382568	400540-0000	MS29513-138																											
CIALL	O-540-S	QTY.	-		-	2	4	1															1.0			\$									
BOLDUC AVIATION SPECIALIZED SERVICES, INC Continental & Lycoming Replacement Parts List	WORK ORDER: <u>22657</u> CUSTOMER: <u>Bill Waterman</u> DATE 10/16/2008 MODEL: TIO:540-S1AD S/N: RL-5185-61A	DESCRIPTON	Gasket Set, Dual Mag.	Bearing, Front	Bearing, Malli	Bolt, Rod	Nut, Rod	Bushing, Rod	Follower, Cam	Plunger	Bushing, Blade	Bushing, Cwt.	Plates	Retainer	Roller	Roller	Hose, Return	Cylinder Assembly	Bushing, Rocker	Bushing, Rocker	Spark Plugs	Cushion, Mag	Bolt, Crankshaft	Spring, Oil Press.	Filter, Oil	Hose	Shaft, Tach	Gasket, Plate	Dowel, Crankshaft	Shaft, Rocker	Key, Woofruff	Snap Ring	Washer	Quick Drain	Tube, Drain
BOLC	WORK	PART #	SL15903	LW13885A M6	74309AM6	SL12596	LW12186	LW13923	72877R	78290	73810	71903A	71907	LW14820	73648	76788	STD-2180	05K21108	74389	LW12588	RHB37E	LW13641	AN8-14A	LW11713	CH48110	74493	76155	06B23072	STD-2078	72626A	STD-95	STD-1737		37000	73027
		ату.	-	7 9	12	12	12	9	12	12	4	8	8	89	2	2	9	9	9	9	12	2	-	1	1	1				_			7		2

			w/o# 22657				
AD#	Applicable S.B. # & Subject	Date & Hours @ Comp.	Method of Compliance	One Time	Recurring	Next Comp. @ Hrs/Date	Authorized Signature & Number
73-23-01 R4	Piston pin failures		N/A by Part # 2W 14078	x			20
75-09-15	Fuel flow divider gasket		NA by Mule H NO Flow	х			No.
78-23-10	Center body bellows seal assembly		Fuel system OH By Dr C	x			100
79-04-05	Fuel diaphragm		Fuel system Ditt by DOG	x			DC
80-17-10	Seized throttle movement		With the Elical Install	-	x		EN
83-22-04	Injector fuel diaphragm stem		Fuel system OH by DuG	x	^		200
91-08-07	Fuel pump vent hose		O foot	-	Н		K
91-14-22	Crankshaft gear retaining bolt		Complied with	X			DC
91-21-01	Engine exhaust system		Disaseded by 2004-10-14	Х			DC
91-21-01 R1	Engine exhaust system		u u u u u	-	X		Ġ7
92-12-05	Piston pin failure		11/2 by Part # LW-14078	_	Х		PH .
92-12-10	Fuel injector line failure		C (il	X	H		X
93-05-21	AC, Textron, Rajay fuel pumps		Superseded by 93-05-22	-	Н		10C
93-05-22	Fuel injector lines		Superseded by 98-11-11	Х	-		Sc
93-11-11	AC, Textron, Rajay fuel pumps		Supersected by 2002-26-01		X		DC
94-14-13	Low octane detonation		NIA MY KOME PULLS	Х			DC.
95-07-01	Connecting rod bolts		Superseded by 95-26-02	Х			pc.
95-26-02	Low octane detonation		NA by Part # 5212596 Bills	х			X
97-01-03			N/A Engine timed of what	х			N
97-01-04	Piston pin		Supersected by 97-15-11	х			DC .
	Cylinder assemblies		N/A way beginning cyl ASEYS		x		20
97-15-11	Piston pin		N/A by Part # 14078	х			X
98-18-12	Torque check inspection		Superseded by 2003-14-03		X		Dr.
PL2000-18-53	Loss of engine oil and subsequent seizing of the engine and possible fire		Superseded by 2002-12-07		х		DC DC
PL2002-04-51	Prevent crankshaft failure		0.	х	1		
2002-12-07	Prevent complete loss of engine oil		Supercoded by PLROOZ-17-53		x		DC.
PL2002-17-53	Prevent crankshaft failure		C. (11 -	х	-		ix.
1002-19-03	Prevent failure of the crankshaft, which could result in total engine power loss		N/A by Engine Sect	X	+		DC

				-	-		
AD#	Applicable S.B. # & Subject	Date & Hours @ Comp.	Method of Compliance	One Time	Recurring	Next Comp. @ Hrs/Date	Authorized Signature & Number
PL2002-20-51	Prevent loss of all engine power and possible forced landing		Superseded by 2002-23-06	x			M
2002-23-06	CORRECTION - Prevent loss of all engine power and possible forced landing		Superseded by 2004-05-24	x			De
2002-26-01	Prevent failure of the fuel injector fuel lines		Supercorted by 2008-14-07	\dagger	х		W
2003-14-03	Prevent rotary fuel pump leaks		N/Ab/ sullix M alter part#	T	х		DC
2004-05-24	Prevent loss of all engine power and possible forced landing		WA by Part # of BoH	x	Н		M
2004-10-14	CORRECTION - Prevent loosening or failure of the crankshaft gear retaining bott		Caplied with		х		DC .
2005-19-11	Prevent failure of the crankshaft		N/A by C/S Seett.	x			1
PL2008-06-51	Fuel injection servo plugs that had loosened or completely backed out of the threaded plug hole on the regulator cover of the fuel injection servo		Superseded by 2008 - 08-14		х		le le
2008-08-14	To prevent a lean running engine		Overhauled by Dec	+	x		en .
2008-14-07	To prevent failure of the fuel injector fuel lines that would allow fuel to spray into the engine compartment		compliced with		x		₩.

- 0.0 E		TIME SINC	CE MAJ	1 1 1 T	HAUL	viation Spe	ork Order	N8118Z number 908-16 ervices, Inc. by Aviall work		room
- WO# order Com - Com	22657 vernumber uplied with aplied with 5425.37.	with new er 7893716 & h AD91-21 h AD08-14 Installed re	793818 -01R1 b -07 by i	ounts 1-3.00 33. AD08-1 by inspection inspection of ubler on en	19-05 N on; check of fuel ir	/A no "Titatked good. Najection line	n" cylinder Next due 54 s; checked e just abov	rs installed. 425.37. good. Next ve turbo.		
up a	nd leak c		l cerui l was de	termined to	o be in a	irworthy co		ccordance with		
LL(10634)										
	YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL Time in Service	Entries	must be endo	rsed with Na	, Tests, Repairs and Certing and Certing back pages for other	ficate Number of	
	Rui	gust 6, 2009 n up engine cked good. er. Run up a	, drained	check goo	moved o	ENGINE oil filter. Cu 5W50 10 q Holte A&P	it open oil	N8118Z filter and inspect installed CH4810 1IA. A Halk	ed,	

5483.92TACH

Run up engine, drained oil and removed oil filter. Cut open oil filter and inspected, checked good. Serviced with Aeroshell 15W50 10 quarts, and installed CH48103 oil filter. Run up and leak check good. Dan Schiller A&P3131985

5487.11TACH

ENGINE LOG

Complied with AD08-14-07 by inspection of fuel injection lines. Complied with AD91-21-01R1 by inspection of exhaust. Both checked good. Brian Holte A&P472823191IA.

ENGINE LOG / Alt. N8118Z

October 22, 2009

October 27, 2009

YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)	
DATE					
— Dec	cember 10	, 2009	5528.01	TACH ENGINE LOG N8118Z	
_ 202	2.64 ENGI	NE TIM	E SINCI	E MAJOR OVERHAUL	198
_ _W	ork Order	numbe	r 1109-16	Removed oil filter, cut open and inspected, checked	
	1 (ind with	A TO 01 - 21	_01R1 by inspection of exhaust, checked good. <u>Next</u>	
	mastion du	a at 5625	OTTACE	The Complied with AD05-12-06 by inspection elected	- Charles
	. 1 NTaund 2	and antion	dua 600	9 01 Replaced both sets of politis. Complied with	
A TI	100 11 07	her incha	otion of fi	itel injection lines, checked good. Next hispection duc	30
- 50	20 01 Da	alogad in	duction a	ir filter Renlaced engine upper two rubbet breather tubes	
- wl	nich were v	worn. Cle	aned, ins	pected and gapped all spark plugs. Serviced engine with 48103-1 filter. Run up and leak check good. I certify that	-
- de	termined t	o he in a	rworthy (condition. Brian Holte A&P4728231911A.	(pa)
	1 ,	1	1 ===		
				23TACH ENGINE LOG N8118Z	
	June 2	, 2010	5584.	as it is the Aprophet () Wyo it	1-paylor policity and
	Run up	engine,	drained o	il and removed oil filter. Serviced With Acroshon 18103 oil filter. Run up and leak check good. Ronald Card	- construction
	quarts,	and insta	alled Cris	ald Cerd	
	A&P4	6391253		ald Cert	
		RECORDING FACH FIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)	
	July	16, 2010		35.68TACH ENGINE LOG N8118Z	
	15W	up engin 50 and i 2660084	nstalled (doil and removed oil filter. Serviced with 12 quarts Aeroshell CH48103-1 oil filter. Run up and leak check good. Jeff Schauer Schaue	
	Octobe	er 6, 201	0 5695	5.7TACH ENGINE LOG N8118Z	
				ed oil. Removed oil filter, cut open and inspected, checked	
	good.	Complie	d with AI	D91-21-01R1 by inspection of exhaust, checked good. Next ΓΑCΗ. Complied with AD08-14-07 by inspection of fuel	
	- injection	on lines.	checked o	good. Next inspection due 5795.7. Serviced engine with	
	Aerosh	ell 15W	ond ne	w CH48103-1 filter. Run up and leak check good.	
			P349544		
			1	1- 10000	
	-				

E	TACH TIME	FLIGHT	SERVIC		cription of Inspections, Tests, Repa es must be endorsed with Name, Rating and nician or Repair Facility. (<i>See</i> back pages for	
+						
+		nber 16. 4 ENGI		5731.71'	TACH ENGINE LOG E MAJOR OVERHAUL	N8118Z
	#1 77	/80 #2.7	7/80 #3	73/80 #4	74/80, #5 76/80, #6 72/80. AD09-26	12 N/A ECT
+	cylind inspec	ters insta eted, che	illed. Ri cked go	un up engi od. Comp	ne and drained oil. Removed oil filte lied with AD91-21-01R1 by inspection	r, cut open and
+	_ check	ed good	Next in	nspection of	due at 5831.71TACH. Complied with	n AD08-14-07 by
+	inspec magn	ction of i	uel injec	ction lines.	, checked good. Next inspection due	5831.71. Adjusted
-	Renla	ced indu	ction air	r filtor C	GT probe. Replaced waste gate control erviced engine with Aeroshell 15W50	l rod bolt.
	- CH48	103-1 fi	ter Ru	n un and le	eak check good. I certify that this eng	and new
	inspec	ted in a	ccordanc	ce with an	annual inspection and was determined	d to be in airwarthy
	condit	ion. Bri	an Holte	A&P3495	5449IA B Astr	u to be in an worthy
+			1			
-						
+						
					April 2005 The Section 1	
YI	T	ECORDING ACH	TODAYS FLIGHT	TOTAL TIME IN	Description of Inspections, Tests Entries must be endorsed with Name, Rati	ing and Certificate Numbe
YI	T			Control of the Contro	Description of Inspections, Tests Entries must be endorsed with Name, Rati Technician or Repair Facility. (<i>See</i> back p	ing and Certificate Numbe
	T	ACH		TIME IN	Entries must be endorsed with Name, Rati	ing and Certificate Numbe
	T	ACH		TIME IN	Entries must be endorsed with Name, Rati	ing and Certificate Numbe
	T	ACH		TIME IN	Entries must be endorsed with Name, Rati	ing and Certificate Numbe
	DATE	ACH	FLIGHT	TIME IN	Entries must be endorsed with Name, Rati Technician or Repair Facility. (See back page 1)	ing and Certificate Numbe
	DATE Feb.	ACH ME	FLIGHT 011 T	TIME IN SERVICE	Entries must be endorsed with Name, Rati Technician or Repair Facility. (See back posterior) SIAD S/N: RL-5185-61A	ing and Certificate Numbe
	DATE Feb.	. 16, 2	FLIGHT 011 T	TIME IN SERVICE	Entries must be endorsed with Name, Rati Technician or Repair Facility. (See back page 1)	ing and Certificate Numbe
	Feb. Remo	. 16, 2 oved #6 proper	Oll To cylind part r#6 cylin	TIME IN SERVICE TIO-540-S der. Insp number. O	Entries must be endorsed with Name, Rati Technician or Repair Facility. (See back page 51AD S/N: RL-5185-61A sected counterweight plates correct plates were installed.	ing and Certificate Numbe
	Feb. Remo	. 16, 2 oved #6 proper	Oll To cylind part r#6 cylin	TIME IN SERVICE TIO-540-S der. Insp number. O	Entries must be endorsed with Name, Rati Technician or Repair Facility. (See back posts) SIAD S/N: RL-5185-61A Dected counterweight plates Correct plates were installed.	ing and Certificate Numbe
	Feb. Remo	. 16, 2 oved #6 proper	Oll To cylind part r#6 cylin	TIME IN SERVICE TIO-540-S der. Insp number. O	Entries must be endorsed with Name, Rati Technician or Repair Facility. (See back page 51AD S/N: RL-5185-61A sected counterweight plates correct plates were installed.	ing and Certificate Numbe
	Feb. Remo	. 16, 2 oved #6 proper called	Oll Tourish of the cylind part of the cylind	TIME IN SERVICE	Entries must be endorsed with Name, Rati Technician or Repair Facility. (See back pages 14.5) SIAD S/N: RL-5185-61A Dected counterweight plates Correct plates were installed. Ek on engine. END***********************************	ing and Certificate Numbe
	Feb. Remo	. 16, 2 oved #6 proper called	oll Touring part in #6 cyling ************************************	TIME IN SERVICE TIO-540-S Her. Insprumber. Conder back******** VIATION S	Entries must be endorsed with Name, Rati Technician or Repair Facility. (See back pages of the P	ing and Certificate Numbe
	Feb. Remo	. 16, 2 oved #6 proper called	oll Touring part in #6 cyling ************************************	TIME IN SERVICE TIO-540-S Her. Insprumber. Conder back******** VIATION S	Entries must be endorsed with Name, Rati Technician or Repair Facility. (See back pages 14.5) SIAD S/N: RL-5185-61A Dected counterweight plates Correct plates were installed. Ek on engine. END***********************************	ing and Certificate Numbe
	Feb. Remo	. 16, 2 oved #6 proper called	oll Touring part in #6 cyling ************************************	TIME IN SERVICE TIO-540-S Her. Insprumber. Conder back******** VIATION S	Entries must be endorsed with Name, Rati Technician or Repair Facility. (See back pages of the P	ing and Certificate Numbe
	Feb. Remo	. 16, 2 oved #6 proper called	oll Touring part in #6 cyling ************************************	TIME IN SERVICE TIO-540-S der. Insprumber. (c) inder back****** VIATION S Approved	Entries must be endorsed with Name, Rati Technician or Repair Facility. (See back pages of the P	ing and Certificate Numbe
	Feb. Remo	. 16, 2 oved #6 proper called	oll Touring part in #6 cyling ************************************	TIME IN SERVICE TIO-540-S der. Insprumber. (c) inder back****** VIATION S Approved Approved	Entries must be endorsed with Name, Rati Technician or Repair Facility. (See back pages) SIAD S/N: RL-5185-61A Dected counterweight plates Correct plates were installed. Ek on engine. END***********************************	ing and Certificate Numbe
	Feb. Remo	. 16, 2 oved #6 proper called	oll Touring part in #6 cyling ************************************	TIME IN SERVICE TIO-540-S der. Insprumber. (c) inder back****** VIATION S Approved Approved	Entries must be endorsed with Name, Rati Technician or Repair Facility. (See back pages) SIAD S/N: RL-5185-61A Dected counterweight plates Correct plates were installed. Ek on engine. END***********************************	ing and Certificate Numbe
	Feb. Remo	. 16, 2 oved #6 proper called	oll Touring part in #6 cyling ************************************	TIME IN SERVICE TIO-540-S der. Insprumber. (c) inder back****** VIATION S Approved Approved	Entries must be endorsed with Name, Rati Technician or Repair Facility. (See back pages) SIAD S/N: RL-5185-61A Dected counterweight plates Correct plates were installed. Ek on engine. END***********************************	ing and Certificate Numbe
	Feb. Remo	. 16, 2 oved #6 proper called	oll Touring part in #6 cyling ************************************	TIME IN SERVICE TIO-540-S der. Insprumber. (c) inder back****** VIATION S Approved Approved	Entries must be endorsed with Name, Rati Technician or Repair Facility. (See back pages) SIAD S/N: RL-5185-61A Dected counterweight plates Correct plates were installed. Ek on engine. END***********************************	ing and Certificate Numbe
	Feb. Remo	. 16, 2 oved #6 proper called	oll Touring part in #6 cyling ************************************	TIME IN SERVICE TIO-540-S der. Insprumber. (c) inder back****** VIATION S Approved Approved	Entries must be endorsed with Name, Rati Technician or Repair Facility. (See back pages) SIAD S/N: RL-5185-61A Dected counterweight plates Correct plates were installed. Ek on engine. END***********************************	ing and Certificate Numb

1	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Entrine must be endorsed wit	ions, Tests, Repairs and Alteration th Name, Rating and Certificate Number of the Sack pages for other specific entries.	T
DATE						
		F022 F	4TACH	ENGINE LOG	N8118Z	
ugust 22	. 1	1	ail Dam	aved oil filter cut open and	d inspected, checked	
	1 1 7	* 1 A II > 1 > 1 > 1	1 71 41117	ha inchection of canadac	- CHCCRCC Social	
	1	022 5AT	ACH CC	malled with Allua-14-0/	Dy mispection of radi	
Aeroshell	115W50	and new	CH48103	1 filter. Run up and leak	check good, street	
3rian Ho	lte A&P3	495449]	A			
Decer	mber 21,	2011	5888.137	ACH ENGINE L	OG N81182 -	
	- MATATE	THE STREET PET	E SINCE	MAJOR OVERHAUL	A D 11 12 02 N/A	
-			- 100 IIA	70/00 45 /6/VI TO ///NI	ADII-13-03 N/A	
turbo	charger h	as more	than 50 h	urs of time. No further ac	ction required. AD11-15-10	
N/A	no AFS fi	iel servo	installed	No further action require	ood. Complied with AD91-21-	
oil. F	Removed	oil filter	, cut open	hecked good. Next inspec	etion due at 5988.13TACH.	
_ 01R1	by inspe	ction of	14-07 by	nspection of fuel injection	n lines, checked good. Next shield. Replaced induction air	
be ir	airworth	y condit	ion. Bria	Holte A&P3495449IA.		
_						
YEAR:	: RECORI	DING TOD	AYS TOTAL	Description of Insp	pections, Tests, Repairs and Altered with Name, Rating and Certificate Num	
	TIME	1 2.00	SERV	Technician or Repair Fa	ed Willi Haille, Halling and Ochlindate Hall	rations
					acility. (See back pages for other specific	ber of
DATE					acility. (See back pages for other specific	ber of
DATE					acility. (See back pages for other specific	ber of
DATE			lation 1313 Tach 5920.	County Rd. 134 Buffalo, MN.	acility. (See back pages for other specific	ber of

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	TACH TIME	FLIGHT	TIME IN SERVICE	Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE				
	1	1	1	.1
	N8118Z	Tach	1 5920.02	nty Rd. 134 Buffalo, MN. 55313
	CH48103 f	ilter and s	erviced with	r, cut open and inspected no metal found. Installed new 10 quarts Aeroshell 15W50 run-up leak check good.
		Т		
		per PA-32	R-301T S/N	nty Rd. 134 Buffalo, MN. 55313 32R-8029013
	CH48103 f	ilter and s	erviced with	to open and inspected no metal found. Installed new 12 qts Aeroshell 15W50, lubed waste gate and run-up A&P473901357 A&P473901357
			1	

ATE	TACH TIME	FLIGHT	TIME IN SERVICE	Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries
M	est Metro	Aviatio	n 1313 Co	unty Rd. 134 Buffalo, MN. 55313
N	81187 Lvc	oming T	TO-540. G	1AD S/N RL-5185-61A
12	2/20/2012 A	ctt/Tac	h 6014 30	Ett 6014.39 Esoh 689.02
- Pe	erformed 10	O bring	nootion I/A	MAD: 00 : 300 009.02
98	med and rot	tated ner	formed ass	/W Piper Service Manual. Removed plugs cleaned,
#5	76/80 #6	75/20 C	booked co	mpression check #1 79/80, #2 76/80, #3 76/80, #4 77/80,
re	moved filte	73/60, C	necked ma	ag timing at 25 degrees B.T.D.C. Drained oil and
- CI	H42102 file	er and a	en mer an	id sent to Bolduc Aviation for inspection, installed new
#5	intake gag	beta ticl	erviced wit	h 11 qts Aeroshell 15W50. Removed and replaced #3 and
th	is enoine he	is heen i	nepeated I/	Ker box covers, run up and leak check good. I certify that
aiı	rworthy cor	dition	Tom Rocal	A/W an 100 hr. inspection and was determined to be in hem AP2661552IA
-	ortary cor	idition.	Tom Beach	Hem AP26615521A
		70.00		
	W	est Meta	o Aviation	1313 County Rd. 134 Buffalo, MN. 55313
		-202	Lacu	0009.40 6-10-2013
	Dr	ained oil	and remov	ved and filter cut open and in and in
		The state of the s		/.) IIIICI AIIII CETITOOO TTATA II
		50. 17	mi-up icak	Check good /// / // b/
	Bri	an Holte	A&P3495	5449IA //- Halia
			i	y (-
			NAME OF THE OWNER O	THE REPORT OF THE PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS OF THE

YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alteration Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
JAIE //-/-/	13 611	7.94 How As 10 T tes Engl	lorn La Lengt Telek in a Ba Lenne	Removed + Dissanded engine due m Followers + Comstagl, Instabled elt + Followers, Repaired capinder Performed 500 hr. Inspection, Repair go Assembled + Instabled sume dein Aircrylt, Run-up checked OK e u.o. 26825. MULLED Alder KM5R 993 mm

MATERIAL USED				BOLDUC AVIATION SPECIALIZED SERVICES					
PART NO	DESCRIPTION	LIST PRICE	TOTAL	Box 8A Anoka County Airport 8891 Airport Road Minneapolis, MN 55449					
SL12956	Gasket set, Dual Mag	\$400.29	\$400.29	FAA APPROVED REPAIR STATION KM5R993M PHONE (763)780-1185 FAX: (763) 780-1187					
SL13885M06	Bearing, Front	\$210.08	\$420.16						
SL11575M06	Bearing, main	\$65.98	\$395.88						
3L72877	Follower, Cam	\$59.00	\$708.00						
STD-1821	Hose, return	\$1.88	\$11.28						
SL19340	Camshaft	\$1,306.83	\$1,306.83		MODEL:	SERIAL#	TACH	TIME:	
MS28775-228	O-ring	\$1.37	\$1.37	THE RESERVE THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO	TIO-540-SIAD				
72075	O-ring	\$1.19	\$9.52	Laboratory and the second second second second	DESCRIPTION	ON OF WORK		LABOR	
5L13641	Cushion, mag	\$2.29	\$4.58	Removed and dis	sembled engine due to cam t	follower & cam wear. I	nstalled new	\$11,518.00	
AA9144	Gasket, Gov	\$22.67	\$22.67	cam and follower	s. Assembled engine & insta	lled back in aircraft.			
36M19385	Clamp, mag	\$40.71	\$81.42	Clean and zyglo	ease				
3014117303				Bore check and inspect case					
A-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1									
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	TOTAL PARTS		\$3,362.00						
	CALINA MERI DER A IDC								
	SUBLET REPAIRS					00	TOTAL LABOR	\$11,432.00	
				DDCI YAKINIA DA	SICDECTION DV	and-		\$3,362.00	
	5			PRELIMINARY I		THE	TOTAL PARTS SUBLET REPAIRS	\$3,302.0	
					R HIDDEN DAMAGE BY REPAIR & OVER HAUL 1989.	COMP RY AND	SHIPPING		
						(Way (b)	TAX		
					NCOMPLITION	of wax	TOTAL AMOUNT	\$14,794.0	
	TOTAL SUBLET			SIGNATURE	I way good			\$14,794.00	
THE AIRCRAFT AND CURRENT REGULAT RETURN TO SERVICE Signed	OR COMPONENT IDENTIFICANS OF THE FEDERAL AND EDERTINENT DETAILS OF	TATION ADMINISTHE REPAIR AR	TRATION AND IS	APPROVED FOR S REPAIR STATION.					

YEAR:	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)	**************************************				
DATE				, , , , , , , , , , , , , , , , , , ,	Control to the Control of the Contro				
	W	West							
	West Metro Aviation 1313 County Rd. 134 Buffalo, MN. 55313 N8118Z Lycoming TIO-540-S1AD S/N RL-5185-61A 11/25/2013 Actt/Tach 6121.51 Ett 6121.51 Esoh 796.14								
	Pe	Phone 1 - N8118Z							
	Sa	Desemb							
	Sei								
	CII	gine has t	been inspected	d I/A/W an 100 hr. inspection and was determined to be in m Beachem AP2661552IA					
	-	wording of	mandon. 101	ii Deacheill AP2001332IA					
		1	1						
	W	West Metro Aviation 1313 County Rd. 134 Buffalo, MN. 55313							
	N8	13 County Rd. 134 Buriaio, Min. 55313							
	Dr	ained oil a	and removed	and filter, cut open and inspected no metal found. Installed new					
	CE	148103 fil	ter and service	ced with 1 I quarts Aeroshell 15 W 50 pent-up leak check good.					
	10	m Beache	m AP266155	21A					
WW7	175								
Wes	t Metro Av	viation 1	313 Coun	ty Rd. 134 Buffalo, MN. 55313					
0/17	2014 Tach	PA32R-	3011: 5/N	32R-8029013					
					Gazza e				
Dian	CHARIOS.	took sat 1 filter a	npie remov	ved filter, cut open and inspected no metal found. Installed					
Run-	un and leal	check	good John	with 10 quarts Acroshell 15W50 and 1 pint of CamGuard. Eisenreich AP473901357					
W	est Metro	Aviation	1212 Cor	inty Rd. 134 Buffalo, MN. 55313					
N8	3118Z Ta	ch 6165	5.34 6-25	mry Nu. 134 Dullaio, Min. 33313					
Dr				eut open and inspected - no metal found. Installed new					
CI	I48103-1 f	ilter and	serviced w	with 11 quarts Aeroshell 15W50. Run-up and leak check good.	rations				
UI	per cowl la hauer A&P	atch mis	sing in aft l	eft position - ordered and installed new latch P/N 453-198. Jeff	iber of entries.)				
	Wes	t Metro	Aviation 1	313 County Rd. 134 Buffalo, MN. 55313 WO#1214-1					
	Pho	ne 763-6	82-1516 or	r email westmetroaviat@aol.com					
	- N81	18Z Lyc	coming TI	D-540-S1AD S/N RL-5185-61A ENGINE LOG					
	_ Dece	ember 1	2, 2014 62	43.48TACH 918.11SMOH					
	#1 '	78/80, #	2 76/80, #3	76/80, #4 76/80, #5 76/80, #6 76/80. Complied with AD91-21-0 3	1D1				
	by in	spection	of crossov	ver exhaust pipe, checked good. Next inspection due 6343.48TAC	lKI				
	Com	plied wi	th AD11-2	6-04 by inspection of external fuel injection lines, checked good					
	- Next	inspect	ion due 634	13.48TACH. AD13-21-02 n/a by engine model number. AD12-19	-01				
	_ n/a b	y serial	number and	d AD12-03-06 n/a no AFS fuel diaphragm installed. Run un engir	ne				
	drain	ned oil ai	nd removed	oil filter. Cut open filter & inspected, checked good. Inspected of	oil —				
	scree	en, check	ked good. (Cleaned, inspected, gapped & rotated all spark plugs. Checked					
	- magi	neto tim	ing. Check	ed #5 EGT connections and found one loose. Installed new					
	_ conn	ector, ch	necked goo	d. Installed 3 new fasteners for alternate air induction tube bracke	et.				
	Insta	lled new	/ III probe	p/n 10-01591. Secured scat tubing just behind oil cooler Replace	ed ——				
	- drain	with no	ude elbow	just of of engine. Replaced induction air filter. Replace oil quick	-				
	Care	d with ne	w p/n U5-U	3061. Serviced engine with Phillips 20W50 X/C and 1 pint of Car	n				
	- Guar	u with n	new CH481	03-1 oil filter. Run up & leak check good. I certify that this engin	e				
	21737	orthy co	ndition D	cordance with an annual inspection and was determined to be in	1				
	all W	oruly CO.	nunuon, br	ian Holte A&P3495449IA. IL-1851					