

## The Standard ENGINE LOG

ASA-SE-2

The Standard Engine Log SE-2

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ASA-SE-2

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P N R A S A - S E - 2

9 781560 270515

Engine Record General Informatio	ord General Information	<b>lecord</b>	Engine
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Manufacturer Sycoming Serial R L-15930-48 A	Model
Serial R L-15930-48 A	Type Certificate
This engine is currently installed in aircraft: $\mathcal N$	7857F
Minimum Octane Fuel 100 L C Oil Grade	Summer Winter
Magneto Time 20° BTDC Point Set	ting Firing Order
Spark Plug Gap	
Manufacturer's Recommended Overhaul at 200	hours

lame		Address	
City	State	From	То
lame		Address	
City	State	From	То
lame		Address	
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ity	State	From	То
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ity	State	From	To

Installed -TACH 968.0
This engine was installed on N7857F april 19, 1980 It was a Lycoming factory O time overhaul according
It was a Lycoming factory O time overhaul according
to # 1 engine log book. It was overhauled March 19, 199
by John Francis AGP 489 447 187 IA at tack time 2949.5
Weeth TSMOH of 1981.5, See copies of invoices with
aircraft records or #lengine by for list of ports installed at overhaul.
installed at overhaul.
12-18-98 Senveth Than
12-18-98 Genneth Shan 328401601 AGP
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19 <u>98</u>	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.)
12-18-98	3407,0		2439.0	TSMOH 457.5
Soustabled	I new	starter	83664	Installed 3 overhauled muffers
				by Dawely aircraft Exacest Septems.
Unstal	led 6	me	u exa	ust stacks P/N K38137-0241)K38137-03
(1) K 38/3	7-04,	(1) K3	8137-0	5, (1) K38137-06, (1) K38137-07 with
mew .	xaust	gass	Esta P/	V RA77611, Installed new engine
				(1) 111417-45-0080, (1) 111417-43-0130,
				overhauled Bending Magneto P/N10-682560-13
				engine @ 20° BTDC. Venstalled (2) new
				22681 and new mag case gaspet P/N 382811.
Senstal	led nee	v ac	rfetter	Repor P/N 460-632 (638873). Repaired
heatn	nuff of	inst	elled 1	new -12 scat hose. Yw Lycoming
400 hou	~ roc	her o	erm	inspection - no defects noted.
Unsta	led (6	) me	w soo	her box gaskets P/N 67193. See
				ook. Note: airfilty due @ 3907.0 TACH TIME
Gellow				ook. Genneth Chan
	V		0	(32840/60/ AEP

DATE 1999	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.)
01-0199	3407.0		2439,0	TSMOH 457.5
V 1-11				Comp. 1) 76/80 2) 74/80 3) 75/80 4) 74/80 5) 78/80 6) 78/8
Draine	doil,	ren	roued,	sump screen & filter, inspect for
metal.	nome	talf	seendo	Beinstall sump screen, new CH 48/03
felter a	ndsafe	ty.	Service	with 12 gts 20w 50 Phillips oil . Senstall
(12) me	w RH	438	Espas	koluge, new alternatur belt P/1452-68
Install.	ed mes	u cr	anksha	It seal P/N LW 15628. Engine run- no leaks
1-01-99	V	ceri	efy to	us engine has been inspected
HW	an as	mu	al en	spection and was determined
10 ve	enas	- a	swar	they condition Genneth Schan
de A	D comp	cance	lest a	trear of this log back. 328401601 IA
7/4/99	3456.15	RE	DOVED	OIL YREPLACED WITH IR QTS PHILLIPS
Χ-	CINTRY	200	1-50 W	OIL VEX feldham

DATE 19_99	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.)
4/2/99	3574.12			PRAINED OIL AND INSTALLED NEW CH48103 OIL FRITER JAND 12 QTS PHILLIPS X-CNTR ZOWSO OIL Ste Keldbau
5/18/99	3562.78			DRAINED OIL AND INSTALLED NEW CAR 103 OIL FILTER YZGTS PHILLIPS X-CTRY ZOW 50W OIL
id29/99	3595-7	6	É	DRAINES OIL AND INSTALLED 12 RTS OF PHILLIPS X CTAY OFF, ZOUSO W MULTER SRADE TOURSELLED
8/8/99	3639,50		4	DEPINED OIL & REMOVED FILTER. INSTRUCED EN CHABIOS OIL FILTER & INSTRUCED 12 QTS CHILLIPS HETRY (20050 OIL.

DATE 19 <u>99</u>	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.)
	N7857F ENGINE			Thunder AVIATION DATE: 8/6/1999 TACH: 3636.9
	PROPELL PERFORI	D PROPE LER TORO MED ENG	LLER TO IN QUED PER I INE RUN-U	North Bell Avenue • Chesterfield, Missouri 63005 • 314.532.5600 NSTALL NEW CRANK SEAL WITH PN LW15628. REINSTALLED MAINTENANCE MANUAL AND SAFETY WIRED BOLTS. P, LEAK CHECK, AND OPERATIONAL CHECK. FOUND  with respect to the work performed and is approved for return to service.  Signed:
11-9	3705,6			Removed Top and Bottom Cowling - Inspected Engine to find Source of oil leaks - Replaced all oil return line hoses and all
				Performed engine run up to leak check
				BAL P491819473 St. Louis Engine

10.99	tremanning .	PLIGHT	TOTAL TIME IN BERVICE	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.)
stomet) ent tested and dance, with  T.O. #  To named specially and series gency and RETI gency and RETI	no b E			Engine Lost Fuel Pressure on Guige and Still has Minor Oil Leak.  Removed Top - Bottom Cowl Inspected  Fuel System for any Leaks - Found  Fuel pump overboard Vent Leaking oil.  Removed and Replaced Fuel pump. Test  ran and trouble Shooted Fuel System  and determined Fuel pressure Comme  Malfunctioned. Engine Run up O.K  Installed Bottom a Top Cowl.  BM P491829473 St. Louis Engine

DATE	TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Entries must be endorsed with	ns, Tests, Repairs and Alteration Name, Rating and Certificate Number of See back pages for other specific entries.
				Thunder ~>	
_	N7857F ENGINE			Thunder AVIATION	DATE: 12/28/1999 TACH: 3715.44
	2. REMOVED TORQUED 3. REMOVED PUMP WI 4. PERFORM I certify that this	O SPARK F O IAW MAII O LOW PRI TH NEW L MED ENGIN S aircraft is	PLUGS. CLE NTENANCE ESSURE EN COMING P NE RUN-UP airworthy w	NGINE DRIVEN FUEL PUMP. REPN LW-15473.  LEAK CHECK AND OPERATION	ND ROTATED SPARK PLUGS. PLACED MECHANICAL FUEL

DATE	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.)
				ma anti-
			1	no entres
			/	
			/	
		1		
				1

8000 15	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.)
01-24-00	3723,0		27552	Comp. #1 7/80 #2 16/80#3 16/80 # 4 18/0 #5 18/80 #6 71/80
SMOH	773,5			Around oil, removed filter & sumo screen
				torque ( safety. Service with 12 gts 15w 50
airf	the du	e		aero Shello Inspect exaust & induction system for cracks Eleaks. Installmen
again	at 422	310		controls for full trans of security.
				Cleaned, gapped & rotated spark plugs.
				Installed new oil cooler hoses (44 95-26-1)
-				leake #3 #41 #5 cylinder base stud
				seeping. In 93-02-05 by inso of fuel in lines & clamps. AD's checked thru 2000-01
				ouer -

TACH	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.)
3723,0		2755,0	l certify that this Aircraft Engine Areaster has been inspected in accordance with a Serial Tooling inspection as required by FAR 43 and found to be in
773.5			an airworthy condition.
			Tachometer reading 3723.0 W/0#00623
			Total time 2755,0 Date 01-24-00
			Signature Genneth Schau
			License # 328401601 IA
3771.74			REMOVED OIL AND REPLACED W/ 11079
			PHILLIPS XFETR ZOW SO MULTI-GRADE OU
			PHILLIPS XICTR ZOW 50 MULTI-GRADE OIL
3802,92		2	DRAINED BILY REMOVED FILTER, INSTALLED
			75 PHILLIPS X-CTRY MULTI-GARDE 20 W50 OIL
		1	NSTALED CH48 103 OIL FILTER-CKOFOR
			LEARS. Je Gelfbon
	773.5 3771.74	3771.74	3771.74

DATE	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.)
6-27	3860,3			DRAINED ON & REMOVED FIXER, REMACED OLDY 12 QTS PHILLIPS X-CHTAY OLD CH48-103 FIXER.
				4 SAFETY WINES & CHKED TOR LEAKS.
8/28	3886.z			RAINES OIL AND REPLACED WITH 1191 HILLIPS YOUNTES ZOW-50W OIL SE Seldbarn
10/6/00	3921.61			RAINED OIL, REMOVED AND REPLACED L FILTER, CH48-103 OIL FILTER AND
			12	OIL OHECKED FOR LEAKS  DE LEIDEN
				© 195

15 2000	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.)
12-19-00	3932.4			Bemove fuel servo P/N RSA-10-EDI.
		5/10	57794	Remove fuel servo P/N RSA-10-EDI. for O/H by Mikes Metering Service Serveth Schau 328401601 A & P
_				Jenneth Schau
				328401601 AEP
12-27-00	3932,4			Reinstalled fuel servo P/N RSA-10-ED1
A District				S/N 57794 after O/H by Mikes
-				metering Service W/o 13090 with
				mew gasket P/N 73032 and new
			-	induction elbow P/N 69232 with
				new spaces P/N 69231 and Clamp
				P/N 555-846. Replaced scat tulie
				from ellow to direleaner. Engine
-				run-up with mixture & idle
-				set to MFGR specs. Operation
				satisfactory Jenneth Than 328401601 ACP
1		9	Tote:	Un Marin to lastal at hand a last
© 1991 ASA			low:	Yellow tag located at rear of log book

DATE 2001	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.)
01-05-01	3932.4			Comp. #1) 70/80 #2) 70/80 #3) 73/80 #4) 75/80 #5) 75/80 #6) 12/80 Drained oil, removed filter & sump server
. /	V/		no me	tal found. Installed new est 48103 filter tied. Serviced with 11 gts 20w 50
Phillip	sail.	hust	alled "	2 new RHM 38E spark plugs long.
P/N 743	60 and	lo	ttom.	entake tube 0-ring P/N 72711.
injectu	n lin	05 6	clamps	Lings Ampulse coupling found to be
in se	vicable	e cor	dition	timed mag to engine. AD 2000-18-53E ecked allengine controls for security,
fulltre	wel, an	de	bed.	Emstalled new air felter element
dictate	. This	9w 8	4-26-0	and Piper SB 1022. 4w 95-26-13
at 4032	.4. Eng	gine	sun-s	ip satisfactory - no leaks.

# 2001	RECORDING TACH TIME	FLIGHT SMOH	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.)
0[-05-0]	3932.4	982.9	2952.4	I certify that this A serie Engine Legiter has been inspected in accordance with a inspection as required by FAR 43 and found to be in an airworthy condition.  Tachometer reading 3932,4 w/o#719  Total time 2952,4 Date 01-05-01  Signature Henneth Schou  License # 328401601 IA  AD's Checkel thru 2000-26 AD's listed at rear g log book, for complete list g appileple AD's see AD compliance repart g. Share.

DATE 18 200	RECORDING TACH TIME	TODAYS FLIGHT SMOH	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.)
02/18/01	3886.6		7	DRAINED OIL & REMOVED OIL FUTER AND
		-1	1	NSTALLED 12 QTG PHILLIPS X-CIVIR ZOW-500
			JI	IULTI-CRADE OIL, INSTALLED CH48-103
			0	CHECKED FOR LEAKS  Unglas E. Geldbor 498-20-4379
				CHECKEN FOR LEAKS
				Duylar 6. Meldhoer 498-20-9379
02-19-01	3988.5	1038.0	3008,5	Installed new tack. Current engine
rew-TACH	00000	1038.0	3008.5	times at tack change are.
				Total engenetime 3008.5
				Time since major overhand 1038.0
				Current tach 3988.5 new tach oo
				End

DATE 10 206/	RECORDING TACH TIME	TODAYS FLIGHT Smoth	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.)
1	VICI	EAR	3048.9	Soveral six engine case bolt holes to correct for oil
Fee N	epairs are on		# 1	P/N 76220 PO2 (6) installed FAW Lycoming 3B 1290 D. Cylinders Torqued to specs TAW Lycoming SB 1029 D. Replaced ON oil return
ted by Dawl	ey Aviat	ion		hoses P/W STD 1821. Repaired oil cooler mount bracket, made men haffel piece at #2 ceft, Installed men rubber engine balkelon
Burling 1-80	ndustrial Dr. ston, WI 5310 0-338-5420 No. NJ5R06	05		both sides. All three mufflers O/Hd by Dowley aviation. Begind heat miff for calinchest, for Details see 140 731 at Sexauer Filesing Service
91 ASA		7		Genneth Jehan

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.)
92.0			PAINED OIL AND INSTALLED CH48-103
		QT	S PHILLIPS X-CNTRY ZOW-50 MULTI-GRADE
			Daughe Estelbar 498 209379
149.6	#	,	PRAINED OIL AND INSTALLED CH48-103 DIC
		FILT	ER, SAFETY WIRED AND INSTACLED 12 QTS X-CNTY 20 W-50 W MULTI-GRADE OIL BUT
			CKED FOR LEAKS Varper & Geldhar 20 9379
245.1 gape	o to	3253.6 stel,	13MON 1283.1 Removed, Beaned, replaced 6 Bottom Plugs and
sein	ita 2+	eles y	torqued all spark Plugs. Re-
	72.0 92.0	TACH TIME FLIGHT  92.0	TACH TIME FLIGHT TIME IN SERVICE  92.0  0  07  010  149.6  FICT  PHILLIPG.  CHE

N7857F ENGINE

## Thunder AVIATION

DATE: 7/20/01 TACH: 195.5

Spirit of Lt. Louis Airport • 639 North Bell Avenue • Chesterfield, Missouri 63005 • 314.532.5600

1. TROUBLE CHOT ENGINE HARD TO START, REMOVED ALL FUEL PRESSURE LINES. CLEARED WITH COMPRESSED AIR VERIFIED FUEL PRESSURE WITH CALIBRATED GAUGE. CHECKED OKAY HER ACED 2 EACH SNIFER VALVES AT BOTTOM OF INTAKE WITH PN 492-091.

2. REMOVED ALL SPARK PLUGS. CLEANED, INSPECTED AND GAPPED PLUGS. REINSTALLED OF THE PLUGS AND TORQUED.

3. PLET ORMED ENGINE RUN-UP, LEAK CHECK AND OPERATIONAL CHECK. SATISFACTORY.

I continy that this aircraft is airworthy with respect to the work performed and is approved for return to service.

See performed datase on file Work Order Number: \_R20708\_\_\_\_\_\_

Signe

CRS TODR376I\_

D/	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.)
	alla	rock	pes	formed see w/o # cos69 from
	Septe	eces	- 150	geng Service. The Jones AH
	justed r magneto and chec	magne point to en king perf	gap, re gine. RPM dro	SEMPTER 20, 2001  placed points P/N 10-382585, adeassembled, reinstalled and timed Function tested by operating eng. pp- tested normal. For details of see W/O #00876 from SEXAUER FLY-

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
	N78			AUGUST 31, 2001
		540 H 245.	. 1	
				aned spark plugs and replaced bottom CHAMPION plugs P/N RHM-38E. Reinstall-
	ed	and to	orqued	all plugs. Retimed magnetos to eng.
	For VIC		ls, se	e W/O 00869 from SEXAUER FLYING SER-
	VIC	E.		Hour Janes
				2013488 A&P
		1		
10/18/01	300.7			Drainal oil installed 2448103 al filter, safety wind, installed 12 QTS Y/C 20 W 50 oil, checked for links, & riturned to service Mugry flower 497 52963,
//				which mitalled 12 QTS Y/CZO W50 oil sheeked
				for leaks & strundter service Sugar Cours 149752963
				007
				© 1991 ASA

DATE SOC &	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.)
-11-02	415.7		3424.2	TSMOH 1453.7 PRAINED OIL, RE
	MOVE	DY_	TNEPLE	TED OIL SERETH & OIL FILTER -NO
	META	1 /	ELIND.	INSTALLED NEW CHAMPION CHY810.
	OILA	1727	7/20	DIS AFROSHETH SOLD OIL REMOVED
	ACLES	ORY	HOUSIN	10 AND THISPECTED OIL PUMP, FRUP
	1	/		OFS NOT APPLY SECAUSE PUMP HAS
	20172	RB	2/15	ALLED. REMSTALLED ACCESSORY
				W CASKETS P/N OLB 2/396 Como
	73315.			Pand Shipet 1/1 33/3 new feel
	Puran	37	17 20	w tooth, and men may graphet
	9/N 24	1 -/3		FOR DETAILS SEE USO & COSIC PRO
	SEXA	UETE		16 SERVICE Glow Joines
4-1				FUD 70/31/88 A+1
14-02	416.5		3445.0	ENGINE removed for overhau
	100	11/100	0091	I from Selance Flying
	Sere	ice		Thos James
	Selvo			FND 2012488 AH

DATE	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.)
		1		
		/		
		1		· · · · · · · · · · · · · · · · · · ·
	-/-	-		
v.				
/				© 1991

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9	TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Entries must be e	endorsed with Na	me, Rating a	pairs and Alterati nd Certificate Number for other specific entri	of
MAK	E	LYCC	OMING	MODEL	IO-540-K1G5D	S/N	RL-15930-48A	_
Total T			25.00	_	Time Since Majo	_	ZERO Hou	ırs
				and reassembled with ne				
	ne manufacturer's						were maintained. A deta	ailed
parts list	t is on file at this a	agency. The	e following acco	essories were overhaule	d or exchanged. See	maintenance	releases in this logbook.	
Install	ed 6 new Lyc	coming c	ylinders P/I	N 05K21120. Insta	illed magneto I	P/N 10-3825	60-13, S/N C020317	
overh	auled by Elec	ctrosyste	ms, Inc. In	stalled fuel pump F	P/N 41234, S/N /	AA13559, o	verhauled by Aero	
Acces	sories, Inc. I	Installed	flow divide	er P/N 2524232-2, S/	N L-642, overh	auled by RL	B Accessories, Inc.	
Suppli	ied starter P/	N MZ-422	2, S/N ACS	312, overhauled by	Poplar Grove A	irmotive, Ir	icEND	
book. T	his engine was te	st run in an	FAA approved	test cell and meets spec	ifications. The aircr	aft engine iden	date. See list in this log	
book. To and insp	his engine was te ected in accorda	est run in an nce with cur	FAA approved rent regulation	d test cell and meets spec ns of the Federal Aviation ile at this repair station ur	cifications. The aircr Administration and inder:	aft engine iden is approved for	tified above was repaired return to service for the	
book. To and insp work per	his engine was te ected in accorda formed. Pertiner	est run in an nce with cur nt details of	FAA approved rent regulation repair are on fi	d test cell and meets spec as of the Federal Aviation	Administration and	aft engine iden	tified above was repaired	
book. Ti and insp work per	his engine was te ected in accorda formed. Pertiner	est run in an nce with cur nt details of rmotive,	FAA approved rent regulation repair are on fi , Inc.	d test cell and meets spec ns of the Federal Aviation ile at this repair station ur	cifications. The aircr Administration and inder:	aft engine iden is approved for	tified above was repaired return to service for the	
book. Ti and insp work per Poplar	his engine was te ected in accorda formed. Pertiner or Grove Air Grove Airport,	est run in an nce with cur nt details of rmotive, Poplar Gr	FAA approved rrent regulation repair are on fi , Inc. ove, IL	d test cell and meets spec ns of the Federal Aviation ile at this repair station ur	edications. The aircr Administration and ander: 6531	aft engine iden is approved for Date	tified above was repaired return to service for the 03/05/2002	
book. To and insp work per Poplar	his engine was te ected in accorda formed. Pertiner	est run in an nce with cur nt details of rmotive, Poplar Gr	FAA approved rrent regulation repair are on fi , Inc. ove, IL	d test cell and meets spec ns of the Federal Aviation ile at this repair station ur	edications. The aircr Administration and ander: 6531	aft engine iden is approved for	tified above was repaired return to service for the 03/05/2002	
book. Ti and insp work per Poplar	his engine was te ected in accorda formed. Pertiner or Grove Air Grove Airport,	est run in an nce with cur nt details of rmotive, Poplar Gr	FAA approved rrent regulation repair are on fi , Inc. ove, IL	d test cell and meets spec ns of the Federal Aviation ile at this repair station ur	edications. The aircr Administration and ander: 6531	aft engine iden is approved for Date	tified above was repaired return to service for the 03/05/2002	
book. To and insp work per Popla Poplar FAA Ap	his engine was te ected in accorda formed. Pertiner or Grove Air Grove Airport,	est run in an nce with cur nt details of rmotive, Poplar Gr	FAA approved rrent regulation repair are on fi , Inc. ove, IL	d test cell and meets spec ns of the Federal Aviation ile at this repair station ur	edications. The aircr Administration and ander: 6531	aft engine iden is approved for Date	tified above was repaired return to service for the 03/05/2002	
book. To and insp work per Popla Poplar FAA Ap	his engine was te ected in accorda formed. Pertiner or Grove Air Grove Airport,	est run in an nce with cur nt details of rmotive, Poplar Gr	FAA approved rrent regulation repair are on fi , Inc. ove, IL	d test cell and meets spec ns of the Federal Aviation ile at this repair station ur	edications. The aircr Administration and ander: 6531	aft engine iden is approved for Date	tified above was repaired return to service for the 03/05/2002	
book. To and insp work per Popla Poplar FAA Ap	his engine was te ected in accorda formed. Pertiner or Grove Air Grove Airport,	est run in an nce with cur nt details of rmotive, Poplar Gr	FAA approved rrent regulation repair are on fi , Inc. ove, IL	d test cell and meets spec ns of the Federal Aviation ile at this repair station ur	edications. The aircr Administration and ander: 6531	aft engine iden is approved for Date	tified above was repaired return to service for the 03/05/2002	

AD#	DESCRIPTION	COMPLIANCE STATUS
#63-14-03	oil pump drive shaft	N/A to shaft installed
66-20-04	oil filter adapter gasket	N/A by engine model
75-08-09 R3		N/A-has drive shaft with flats
75-09-15	fuel flow dividers with P/N "-1"	N/A-flow divider P/N is "-2"
78-23-10	fuel servo	P/C/W at engine O/H
79-04-05	fuel servo	P/C/W at engine O/H
33-22-04	fuel injector diaphragm	N/A by injector S/N
91-08-07 C	fuel pump fitting	N/A-engine not turbocharged
#91-14-22	crankshaft gear	C/W IAW Lycoming SB 475A
	igine overhaul, after propeller strike, sudd	len stoppage, or whenever gear train repair is required.
92-12-05	piston pin P/N LW-14077	N/A by date of purchase of new pins installed
#93-02-05	fuel lines	C/W by inspection IAW Lyc. SB342A
Next due at 10	00-hr / annual inspection or after fuel line	is disconnected, loosened or moved
95-07-01	connecting rod bolt P/N 75060	N/A by bolt P/N
95-26-02	improper fuel	N/A by registration # N7857F
96-09-10 C	oil pump	N/A by engine model
96-23-03	fuel pump	N/A to overhauled fuel pump
97-15-11	piston pin	N/A to new pins installed
98-17-11 C	crankshaft	C/W by inspection of crankshaft IAW para (b)
198-18-12	fuel pump	N/A-has diaphragm-type pump
	hours or six months time in service	
#00-18-53 E	oil filter converter plate gasket	C/W IAW SB543 sup 1
	ections no longer apply	

A TACI		TODAYS FLIGHT TSHICH	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.)
12 3	165	000.0	3435.0	PENSTALLED ENGINE AFTER CUISIDE
0	VER,	HAUL	BY PL	PULAR GROVE AIRMOTIVE INC. SEE
				REAR THIS LCG. ENGINE INSTALLED
W	1774	UFU	LORD	MCGNTS (1/2A) P/N J-3804-HO. 2+R
				NSTALLED AFTER COTSIDE OVER -
				CHST COOLERS -SHE YHOW TAGS.
				ED EXEME MUNT. CLEANED +
				KIL SETERATOR, FLUSHED ALL OIL
			. /	ENT. INSTALLED 12 GTS AFRESHELL
		1		LOIL RAN ENGINE -NO LEAKS
				TUSPECTICA WAS ACCOMPLISHED
				1 32R-300 INSPECTION CUIDE +
1				1. ALL ADS CHECKED THRY APDATE
				DETAILS, SEE W/O # CO 912 FREM
		1		UC SERVIE. Show James
				2013458 AHP
				(CONT)

DATE FLE SA 19	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.)
				I certify that this Aircratt/Engine/Propeller has been inspected in accordance with 50hr/100hr/annual inspection as required
				by FAR 43 and found to be in an airworthy condition.  Tachometer reading 04/6-5 W/0 # CO9/2
				Total Time 34/25. C Date 3 32 22
				Signature Shien James
				License #_ #613488 A+P IA
-11	11100		- RI	
4/17/02	469,7		53,2	ORASNED OF LE INSTALLED CH 48/03 OIL
				PHELL AS Y/C ZOW SO MALTE GRADE OSLE
				CHECKED FOR LEAKS Augory Couver & 4975296.
5/16/02	529.1		112.6	DRASNED OSZ REPLACED WITH PHILLEPS X/CZOWS
				MULTS GRADE DEZ, É CHECKED FOR LEAKS  Sugary & Couver \$ 4975296.

DATE 192002	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.)
5/21/02	526.7		110.2	Removed old Tack Cable and installed new tack Cable P/N
				38462-02 Provided by Piper Aircraft Corp. Intalled Per Service
	1			Kit No 763916V. Kan acht
				airworthy for the work performed.
6/3/02	5743		157.8	PENFORMED AN OIL CHANGE AND
				CHANGED THE OIL FILTER. SERVICED WO, TH 1/9TS PHILLIPS X-C 20W50 AND
				FOUND NO CONTAMINATION. GROUDD
				RUN FOR LEAKS. FOR SKYLIVE AEROLK.

DATE	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.)
7/9/02	625.4		2089	^ .
-				Ch 48103 and serviced engine with
				good This engine has been determent
				to be in Airworthy condition Suplan AH42878348
C 40 4	t 25 /		2424	
8-2202	679,6		263.1	Preformed so her oil change Drained oil and changed oil Filler
				with Phillips x le 200/50 runup
				and heak check. This was defermated
	,			for as upentengrae performed - Nothing bollows
				apple Calelli He 8 8 8 8 9 IA

DATE # 2002	RECORDING TACH TIME	TODAYS FLGST	TOTAL SIME 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 # 2002	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.)
9-18-02	728.4	TSMOH	311.9	Changed oil and filter with 12 gts	13 OCT	347.3			MODIFIED ENGINE IN ACCORDANCE WITH STC
				Phillips X/C 20w-50 and a CH48103.		TACH			SE1339HM BE FOR INSTAULTION OF PRECISE
				Found no contamination in old filter.					FLIGHT STANDBY JACKEM SYSTEM BY INSTAUNCE
				Ground run and leak check OK. This					SEDDLE FITTING INTO CYCE & INTAKE PIPE - INTAKE
				engine approved for return to service.					PIPE PEINSTAUED WITH NEW GASKET AND O-RING-
				July Ryden A&P478947318					FILED FAA FORM 333 AND OPS CHECK ENGINE
				, " ,					AFTER WASH DOWN WITH SOLVENT. OPS CHECK
9-30-02	744,8	TSMOH	328.3	Installed overhauled alternator Chrysler					GOOD_ THIS ENGINE IS POTROUTS FOR POTURN
				PN4111810 and 3/4 9020515. Work done					TO SERVICE AT THIS DATE & TIME.
				MAIN Piper m.m. Ground run and test of		,			IM A
				Charging system OK. This aircraft is					MODEL SUS-V THESER
				approved for return to service.					49888974
				July Rylin ASP478947318					
© 1991 ASA									© 1991 ASA

DATE 19	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 RECORDING TACH TIME TIME TODAYS FLIGHT TIME IN SERVICE TODAYS FLIGHT TIME IN SERVICE TOTAL TIME IN SERVICE Description of Inspections, Tests, Repairs and Altera Entries must be endorsed with Name, Rating and Certificate Number Technician or Repair Facility. (See back pages for other specific ent	per or
2-5-02	786.8 TSMOIT 3.70.3			Changed oil and filter with 11gts X/C 20W-50 and CH48103 filter. Installed 12 new spark plugs RHM-32E's, Removed, cleaned, and reinstalled fuel injector nozzles, C/W AD93-02-05 inspection of fuel injector lines. Ground run and leak check satisfactory. This aircraft is approved for return		
	Date: 0: Tach: 83	31.9	Eng ETT	Aeronautics. Jul Reg. N7857F  T: 3840.4  k to be performed on engine mount.	Tach: 831.9 ETT: 3840.4 S/N: RL-15930-48A  ACTT: 4820.4 SMOH: 415.4  Performed an annual inspection I/A/W FAR 43 App. D:  4) Comp. check: Cylinder 1) 78/80 2) 76/80 3) 78/80 4) 78/80 5) 78/80 6) 77/80.  5) Drained oil. Removed and replaced filter with new p/n CH48103. Inspected removed filter. No contaminates noted. Serviced with 12 qts. Phillips X/C 20W-50.  6) C/W AD 2002-26-01 by inspection of fuel injector lines and clamps. No defects found. Next due at 931.9.	
	Chris B A&P 49	Tole	THE	k to be performed on engine mount.	Performed engine ground run, leak check and operational check satisfactory.  I certify that this engine has been inspected in accordance with an annual inspection per FAR 43 App.  D and was determined to be in an airworthy condition.  Chris Bolle  A S. P. 408662038 I A	*
					A&P 498662938 IA	-

19	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, To Entries must be endorsed with Name Technician or Repair Facility. (See bath)	, Rating and Certificate Number of
Date: 05 Tach: 940 ACTT:	0.5			Engine: IO-540-K1G5D ETT: 3949.0 SMOH: 524.0	Reg: N7857F S/N: RL-15930-48
contamin	ates noted.	Serviced	with 12 q	filter with new p/n CH48103. In ts. Phillips X/C 20W-50. check and operational check satisf	•
Alfred R	. Gabelli	ground	Cufu	and le Saleth	factory.
	. Gabelli	/03 8.3	Alfred	AIRFRAME	Reg: N7857F Model: PA32R-300 S/N: 32R-7780084
Alfred R	Date: 07/23. ACTT: 506. TACH: 107  1) Co Ne 2) Co tac 3) Cc	703 8.3 9.8 mplied with xt due at tak implied with time 11	AD 76-07-12 ch time 1179.8 th AD 78-23 79.8.	AIRFRAME  2R1 by functional test of ignition switch per	Reg: N7857F Model: PA32R-300 S/N: 32R-7780084 instructions. No defects found.

Date: 07/23/03 Tach: 1079.8 ACTT: 5068.3 A&P 2740170 7/20/05

Reg:	N7857F
S/N:	RL-15930-48A

 Drained oil. Removed and replaced oil filter, p/n CH48103, with new. Inspected removed filter and found no contaminates. Serviced with 10 qts. of Aeroshell 15W-50.

Engine: IO-540-K1G5D

ETT: 4088.3

SMOH: 663.3

2) Adjusted idle and idle-mixture settings.

- C/W AD 2002-26-01 by inspection of fuel injector lines and clamps. No defects found. Next due at tach time 1179.8.
- 4) Performed ground run, leak check and operational check was satisfactory.

Researched Survice Bulletin Mo. 566

with Popular Grove Airmotive Inc.

and pave determined Bullilia Mo 566

does not apply. Gugory Couver f.

497529637

A&P 2740170

rations

entries.)

**STEVENS AVIATION** 

Engine

Date: September 11, 2003 Reg No: N7857F

Work Order: 11595 Aircraft: PA 32R-300

Serial No: 32R-7780084

Hobbs: 1138.5

- Removed cylinder #2 and sent to Poplar Grove Airmotive, INC to repair stuck exhaust valve and bent push rod. (s/n P6A6531). Repaired under Poplar wo# 6531W.
- Reinstalled repaired cylinder with new rings and gaskets per Service instruction 1029.
- Serviced engine with 12 quarts Aeroshell 100 mineral oil and new CH48103 filter. Cut open old filter and inspected. Inspect oil screen. No particles found.
- Removed rocker covers, exhaust rockers, exhaust push rods and exhaust valves on cylinders # 1,3,4,5,6. Reamed exhaust guides per Service Instruction 1425A. Reinstalled exhaust valve train and installed rocker covers with new gaskets.
- Washed engine and aircraft belly to remove oil.
- Ground ran engine and ops checked. No leaks.

The aircraft, airframe, engine, propeller, or appliance identified was repaired and/or inspected in accordance with the current regulations of the Federal Aviation Administration and is approved for return to service for the work performed. Pertinent details of the repair are on file at this repair station under W.O. # 11595.

Date: Sept 11,03 Signed For Stevens Aviation (C.R.S. QC4R461M)

DATE RECORDING TODAYS TOTAL **Description of Inspections, Tests, Repairs and Alterations** TACH FLIGHT TIME IN Entries must be endorsed with Name, Rating and Certificate Number of TIME SERVICE Technician or Repair Facility. (See back pages for other specific entries.)

Date: 10/13/03

Tach: 1079:8 1181.9 % ACTT: 5170.4

Engine: IO-540-K1G5D

ETT: 4190.4

Reg: N7857F

S/N: RL-15930-48A

SMOH: 765.4

Drained oil. Removed and replaced oil filter, p/n CH48103, with new. Inspected removed filter and found no contaminates. Serviced with 11 qts. of Phillips X/C 20W-50. Performed ground run, leak check and operational check was satisfactory.

JEFF RYDER

A&P 2740170

•	4			
25 1001 AS				

DATE 19	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.)
	Dra Con and #1: visi AD AD insp	F TACE inned oil a mpression l inspected and #3 cylual and dia 2002-26-(2003-14-(2005) pection, neify that the	3001 Airport H: 1291.1 Ind inspected test: #1 76/6 If fuel injected inder push in mensional ir 01 fuel inject 03 rotary fue ext due at 13 is engine ha	LES FLYING SERVICE, INC.  Rd. St. Charles Mo.63301 1-800-447-6066  Date: 3-3-2004 TTE: 4299.6 TSO: 874.6  d filter. Serviced with 12qts. 20W50 X/C and CH48103-1 80 #2 77/80 #3 75/80 #4 76/80 #5 78/80 #6 74/80. Cleaned or nozzles. Replaced spark plugs with RHM38E. Replaced rod tube seals. C/W AD96-12-07 mag impulse coupling by inspection (x values= .045/.042) next due at 1791.1. C/W stor lines by visual inspection, next due at 1391.1 or 3-2005. El pump D/N/A. C/W AD95-26-13 oil cooler hoses by visual 391.1 or 3-2005. Washed engine, ran for leaks, and ops. I as been inspected I/A/W a 100HR/Annual inspection and e in airworthy condition.  Jeremy R. McInturff A&P497804515IA

DATE ENGINE ETT: 4477.6 TACH: 1367.0 Date: 07/02/2004 SMOH: 1052.6 AERONAUTICS 776 N Bell Ave, Chesterfield, MO ACTT: 5355.5 Reg: N7857F Model: IO-540-K1G5D S/N: RL-15930-48A (636) 532-2435 1) Drained oil. Removed and replaced oil filter with new, p/n CH48103-1. Inspected removed filter and found no metal. Removed and inspected oil sump screen. No metal found in sump screen. Reinstalled screen with new gasket, p/n MS35769-21. Serviced with 11 qts. of Phillips 20W-50 oil. Complied with AD 2002-26-01 by inspection of fuel injector lines and clamps per MSB No. 342D. No defects noted. Next inspection is due July 2005. JEFF RYDER A&P 2740170 AIRFRAME TACH: 1435.2 Date: 10/13/04 ALRONAUTICS 776 N Bell Ave, Chesterfield, MO ACTT: 5423.7 Reg: N7857F Model: PA32R-300 S/N: 32R-7780084 (636) 532-2435 1) Installed Reiff corporation hot strip engine heater, FAA/PMA No. PQ2585CE, in accordance with installation instructions provided. Weight and balance change negligible. Christopher R. Jella A&P 2774752

DATE TACH TIME  TODAYS FLIGHT TIME IN SERVICE  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.)  ENGINE Date: 12/30/2004 TACH: 1470.3 Reg: N7857F ACTT: 5458.8 Model: IO-540-K1G5D S/N: RL-15930-48A  Drained oil. Removed and replaced oil filter with new, p/n CH48103-1. Inspected removed filter and found no metal. Removed and inspected oil sump screen. No metal found in sump screen. Reinstalled screen with new gasket, p/n MS35769-21. Serviced with 11 qts. of Phillips 20W-50 oil.	Date: 08/26/2005 TACH: 1587.7 ETT: 4698.3 Reg: N7857F ACTT: 5576.2 SMOH: 1273.3  Drained oil. Removed and replaced oil filter with new, p/n CH48103-1. Inspected removed filter and found no metal. Removed and inspected oil sump screen. No metal found in sump screen. Reinstalled screen with new gasket, p/n MS35769-21. Serviced with 12 qts. of Phillips 20W-50 oil.  2) Somplied with AD#2002-26-01. "Inspection of fuel injector lines". No discrepancies. Next inspection due at next Annual Inspection.
JEFF RYDER A&P 2740170  ST. CHARLES FLYING SERVICE, INC. 3001 New Town Blvd. St. Charles, MO 63301 (1-800-447-6066)  Engine N7857F Tach: 1490.7 Date: 3-8-05 TTE: 4499.2 TSMO: 1074.2 Took compression test: #1 78/80 #2 73/80 #3 78/80 #4 77/80 #5 77/80 #6 72/80. Cleaned, gapped, tested, and rotated spark plugs. Cleaned and inspected fuel injector nozzles. Checked engine to magneto timing. C/W AD2002-26-01 fuel injector lines by visual inspection, next due 1590.7 or 3-06. AD2004-05-24 forced landings N/A by p/n bolt installed. AD2004-10-14 crankshaft gear retainer bolt N/A no propeller strike or sudden stoppage. Washed engine, ran for leaks, and operation. I certify that this Engine has been inspected in accordance with a	DENNIS DICKSON A&P 494729285
100/IR/Annual inspection and has been determined to be in airworthy condition.    Second Record Reco	0 199ì AS

DATE	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.)
	filter engin inspe lines crank	ne 57F Da ned oil and . Took come to magneted fuel in by inspect	ate: 3-10-2000 inspected filt appression: #17 eto timing. Cl njector nozzle ing per Lycon re N/A no cra	ARLES FLYING SERVICE, INC.  wn Blvd. St. Charles, MO 63301 (1-800-447-6066)  6 Tach: 1634.6 TTE: 4643.1 TSMO: 1218.1  ter. Serviced with 12 qts, Phillips 20W50 X/C and CH48103-1 78/80 #2 75/80 #3 78/80 #4 78/80 #5 76/80 #6 78/80. Checked leaned, gapped, tested, and rotated spark plugs. Cleaned and es. C/W AD2002-26-01 amdt: 39-12986 dated 1-31-03 fuel injector ning MSB342D, next due 1734.6 or 3-2007. AD2005-19-11  mkshaft replaced after effective date in AD. Washed engine, ran for that this Engine has been inspected in accordance with a 100 HR
	inspe	ection and I	as been deter	rmined to be in airworthy condition.
				LES FLYING SERVICE, INC. Blvd. St. Charles, MO 63301 (1-800-447-6066)
	with p/n a gapped, a	Tac 1 #4 and #6 ST203 ring and tested s	h: 1656.1 6 cylinders. G 5 set. Reinstal 6 spark plugs. A	Date: 5-23-2006  fround exhaust/intake valves and seats. Replaced piston rings alled cylinders using all new gaskets and orings. Cleaned, all work was performed in accordance with Lycoming Overhaul leaks, and operation.
1991 ASA	Jack Blat	tner A&P	194523335	

DATE 19	RECORDING TACH TIME	TACH   FLIGHT   TIME IN   Entries must		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.)
8/29/04	1688.7			ORADORD OEL & REMOVED FILTER - SERVICED
1	/			WETH 12QTS PHILLEPS ZOWSOXC & CH 48/03-1
				OIL FILTER - RAN ENDENE FOR LEAKS - NO WESURE
	7			LEAKS FOUND - RETURNED A ERCRAFT TO SERVICE
2	1			Dugong & Couver 497529637

## ST. CHARLES FLYING SERVICE, INC.

3001 New Town Blvd. St. Charles, MO 63301 (1-800-447-6066)

Engine

N7857F Tach: 1716.7 Date: 3-19-2007 TTE: 4725.2 TSMO: 1300.2

Drained oil and inspect filter. Serviced with 12qts Phillips 20W50 X/C and CH48103-1 filter.

Took compression: #1 75/80 #2 75/80 #3 75/80 #4 76/80 #5 75/80 #6 78/80. Cleaned, gapped, tested, and rotated spark plugs. Cleaned and inspected fuel injector nozzles. C/W AD2005-12-06 amdt: 39-14122 dated 7-19-05 impulse coupling by replacing impulse coupling per MSB645 paragraph 2.3.1/ magneto p/n 10-382560-13 s/n 0020317, next inspection due 2216.7 C/W AD2002-26-01 amdt: 39-12986 dated 1-31-03 fuel injector lines by visual inspection per Lycoming MSB342D, next due 1816.7 or 3-2008. Replaced induction air filter p/n BA-3. Replaced #2 and #1 cylinder push rod tube seals. Replaced missing valve cover screws as needed. Washed engine, ran for leaks, and operation. I certify that this Engine has been inspected in accordance with a 100 HR inspection and has been determined to be in airworthy condition.

Jack Blattner A&P494523335

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19	1. Took of Replaced Replaced C/W AD inspection for leaks, with a 10	Tach:  Tach:  oil and insompression spark plus induction 2002-26-0 in per Lyco and oper OHR insp	1853.9 D spect filter. S on: #1 78/80 gs p/n RHM air filter election and to 39- oming MSB ation. I certi	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.)  ILES Flying Service, Inc  Industry Service, Inc	19 	2. Completed AD a 3. AD 08-14-07 Funo defects noted 4. AD 09-02-03 Segasket, PN# 365 5. Performed engir 48103-1 oil filte 6. Cut open filter. In TSOA. 8. Cleaned and insignation of the segment of the s	I. Next Due 5058.2 ETT or Mar  rvo Plug Gasket, Amendment: 3  533 was not installed on or after  the oil and filter change. Serviced  r.  No defects noted in filter elemen  the that goes from distro valve to  pected fuel injectors.  g bolt from RH baffle.  cover screws.  ng oil return line clamps.  s chafing under RH engine moun  afing breather tube - Repositione  ele chafing intake tube - Repositione  ele chafing intake tube - Repositione  ele chafing intake tube - Repositione  and run: Operational and leak che  ea AD compliance record. The Er	cord for a list of all appliage and secured.  to repositioned leads. to repositioned leads. to repositioned leads. to cable and secured. to repositioned leads.	icable ADs. sual inspection of fuel lines, clamps ine logs. Determined that fuel injection required. If Phillips 20W-50 X/C oil, installed # 3-09-HOSE, MFG AERO Aviation 4 76/80, #5 75/80, #6 73/80	on servo plug d a new CH- n. Part is
						Signed:	Chris	s McPherson A&P IA 3 Page 1 of 1	154631	

ber of entries.)

DATE 2009	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
116/09	2017.9			DRASNED OIL & REMOVED OIL FILTER - REPLACED OIL
/				WETH 129TS PHELLEPS 20W50 XX & REPLACED OFL
				FELTIER 48103 RAD ENGENÉ FOR DEL LEAKS - NO DEL LEAKS FOUND - AERCHAPT RETURNED TO SEKUECE
)	1			Gragory & Course & 3250129 owners
		-		
	-			

N7857F	ENGINE	DATE	04/01/10	rations ber of
LYCOM		HOBBS	2073.2	1000
IO-540-K		ENG TT	5081.7	entries.)
	15930-48A	CYCL	n/a	
1.	Completed Annual Inspection IAW FAR 43 App.	7.7.7.7.		
2.	Completed AD research through biweekly update applicable ADs.			
3.	AD 08-14-07 Fuel Injection lines, Amendment: 39 no defects noted. Next Due 6161.7 ACFTT or Ap	r 2011.		
4.	Performed engine oil and filter change. Serviced en 48103-1 oil filter. Sample taken.	ngine with 12 quarts of	Phillips 20W-50 X/C oil, installed a new CH-	
5.	Performed cylinder compression test. #1 76/80, #	2 70/80, #3 78/80, #4	77/80, #5 78/80, #6 72/80	
6.	Cut open filter. No defects noted in filter elements.			
7.	Removed existing fuel injectors, PN# LW10475 at kit PN# GL10, SN# 19870 IAW STC SE09445SC.	Kit installed IAW inst	tallation procedure IP-98-001 (Rev. B) dated Mar	
	<ol> <li>13, 1998. Equipment list updated, no change to we injectors. Instruction for Continued airworthiness ( interval.</li> </ol>	ICA): Injectors to be re	emoved and cleaned at normal 100-200 hour	
8.	Replaced aft two mufflers with new FAA-PMA me eligibility listings. 6 new exhaust gaskets installed,			
9.	Re torqued valve cover gaskets.			-
10.	Replaced oil adapter gasket with new PN# 06B230			
11.	Installed new Spark plug gaskets PN# M674, 12 e		and the same of th	
12.	Performed Ground run: Operational and leak check	ced completed satisfact	orily.	
	ne identified was inspected and repaired IAW curren details are on file with the undersigned under West			
Signed:	Chris N	McPherson A&P IA 31	54631	
		Page 1 of 1	(	
		· · · · · · · · · · · · · · · · · · ·		

DATE 62040	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.)
8/17	2/27,2			DRASO OF : REMOVED OSL FILTER - JUSTALLUD NEW OFL
				FELTER CH 48103-1 - RÉPLACED DEL WITH PHELLEPS ZOWSO
				12 QTS - RAW RIVENG - CHECKED FOR OSL LEAKS - NO LEAKS
				OBSGRUED - ASRCRAFT RETURNED TO SORVECE .
				Gugary & Couver p 3280129 OWNUR
				0 0/1

DATE	N7857F	ENGINE	DATE	2424 4044	73							
	LYCOMING	ENGINE	DATE	24 Mar 2011								
9	IO-540-K1G5D		HOBBS	2162.0								
	SN# RL-15930-48A		ENG TT	5170.5	-)							
		Inspection IAW FAD 43 Am Do	CYCL	n/a	-							
	2. Completed AD research through biweekly update 2011-06 dated 4/14/2011. See AD compliance record for a list of all applicable											
	7123.											
	other defects found. Reinstalled magneto with new gasket PN# LW12681.Next due 5670.5 ACFTT  4. AD 08-14-07 Fuel Injection lines. Amendment: 39, 15602. Performed kingle himself and the second											
	<ol> <li>AD 08-14-07 Fuel Injection lines, Amendment: 39-15602. Performed visual inspection of fuel lines, clamps and nozzles, no defects noted. Next due 6250.5 ACFTT or Mar 2012.</li> </ol>											
	5. ICAW= GAMI Inject	5. ICAW= GAMI Injectors, removed cleaned, inspected and reinstalled. No defects noted. Next due 6250.5 ACFTT.										
	6. ICAW= Air/Oil serv	rator removed cleaned inspected	and reinstalled. No defec	cts noted. Next due 6250.5 ACFTT.								
	7. Performed engine oi	and filter change Serviced engin	ne with 12 quests of Phillip	ips 20W-50 X/C oil, installed a new CH-48103-1								
	oil filter. Sample tak	en.	ic with 12 quarts of Fillin	ips 20 w-50 X/C oil, installed a new CH-48103-1								
	Cut open filter. No defects noted in filter elements.											
	Retorqued oil filter adapter nut.											
	10. Performed cylinder compression test. #1 79/80, #2 78/80, #3 80/80, #4 79/80, #5 79/80, #6 77/80											
	11. Replaced #1 intake p	ush rod seals by replacing the foll	owing parts PN# STD-10	925 screws (2ea), PN# 18661 seals (2ea),								
	PN#66732 gaskets (2	lea) and PN# 67193 gasket.	parto I tin DID-I	223 sciews (2ca), FIN# 18001 seats (2ca),								
	<ol><li>Re torqued valve cov</li></ol>	er screws.										
	<ol><li>Replaced spark plug</li></ol>	with new PN# RHM38E (12ca).										
	<ol> <li>Set magneto to engin</li> </ol>	e timing.										
	15. Performed Ground run: Operational and leak checked completed satisfactorily.											
	The Engine identified was	The Engine identified was inspected and repaired IAW current regulations of the FAA and is approved for return to service. Pertinent										
	details are on file with the undersigned under West County Aero LLC Work Order: 11071.											
	_											
	Signed:	Chris	McPherson A&P IA 315	54631								
	-											
				1								

-2328) Date: 3/15/2012	rations nber of	DATE 19	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
Tach: 2214.9	entries.)					rectification repair tacinty. (occobact pages for other openior orthon
			Gar	reway Aire	raft Mainte	enance IIC (636-578-2328)
		N				
15MO: 1798.4					116	
						Tach: 2214.9
ual checklist and FAR 43 appendix d.		10	D-540-K1G5D			ETT: 5223.4
80 #4 78/80 #5 79/80 #6 79/80.		S	/N RL-15930-4	I8A		TSMO: 1798.4
with 12qts Phillips 20W50 X/C and AA48103-2			1. AD2012-	03-06 amd	: 39-16947 da	ated 2/24/2012 Superior Air Parts, Lycoming Engines and Continetal
						rocating Engines N/A. No AVStar Fuel System Inc fuel servo diaphragm
			0)	2itts	>	
			Jeremy R	McInturff	AP49780451	5
		-	1			
injector lines by inspecting per Lycoming MSB#						
ler hoses by replacing with new typed D hoses						
2-8CR-0170 from Aero Inc invoice H20217-1,						
3, 2012.						
100HR inspection and has been determined to be						
		Date: 3/15/2012 Tach: 2214.9 ETT: 5223.4 TSMO: 1798.4  rual checklist and FAR 43 appendix d. 80 #4 78/80 #5 79/80 #6 79/80. with 12qts Phillips 20W50 X/C and AA48103-2  Injector lines by inspecting per Lycoming MSB# oler hoses by replacing with new typed D hoses 02-8CR-0170 from Aero Inc invoice H20217-1, 3, 2012.	Date: 3/15/2012 Tach: 2214.9 ETT: 5223.4 TSMO: 1798.4  Note that the second of the sec	Date: 3/15/2012 Tach: 2214.9 ETT: 5223.4 TSMO: 1798.4  Indicate the strict of entries.)  Tach 2214.9  ETT: 5223.4  TSMO: 1798.4  Indicate the strict of entries.)  Indicate the strict of entries.)	Date: 3/15/2012 Tach: 2214.9 ETT: 5223.4 TSMO: 1798.4  Ual checklist and FAR 43 appendix d. 80 #4 78/80 #5 79/80 #6 79/80. With 12qts Phillips 20W50 X/C and AA48103-2  Injector lines by inspecting per Lycoming MSB#  Dier hoses by replacing with new typed D hoses 20-8CR-0170 from Aero Inc invoice H20217-1, 33, 2012.	Date: 3/15/2012 Tach: 2214.9 ETT: 5223.4 TSMO: 1798.4  Usual checklist and FAR 43 appendix d. 80 #4 78/80 #5 79/80. With 12qts Phillips 20W50 X/C and AA48103-2  Injector lines by inspecting per Lycoming MSB#  Joler hoses by replacing with new typed D hoses 22-8CR-0170 from Aero Inc invoice H20217-1, 33, 2012.

TE	TAC TIM		TODAYS FLIGHT	TOTAL TIME IN SERVICE	Entries must be endorse	ections, Tests, Repairs and Alteration ed with Name, Rating and Certificate Number of acility. (See back pages for other specific entries.
			Gatew	ay Aircraft	Maintenance LLC (636-5	578-2328)
_ 1	N7857F				Engine	Date: 3/6/2013
1	Lycomir	ng				Tach: 2281.1
	0-540-	K1G5D				TTE: 5289.6
- 9	S/N RL-	15930-4	8A			TSMO: 1864.6
	1.			ection in acco	rdance with FAR 43 appendix	d.
	2.			magneto tin		
	3.	Cleaned	d, inspect, t	tested, and ro	otated spark plugs.	
	4.	Cleaned	and inspe	ct fuel injecto	or nozzles.	
	5.	Took co	mpression	test. #1 79/8	80 #2 74/80 #3 79/80 #4 78/80	0 #5 79/80 #6 74/80
	6.	Replace	d inductio	n air filter ele	ment with p/n BA-3.	
	7.			parator oil re		
-	8.				The state of the s	ctor lines by inspecting in accordance with Lycoming
				lue 2381.1 or		
	9.					/A by crankshaft serial number.
	10.				nd operation.	
	11.	Researc	hed AD's t	hru bi-weekly	2013-04.	
						egulations of the Federal Aviation
_		Adminis	tration and	d is approved	for return to service far the w	vark performed.
_		40	MAC			
		Jeremy	McInturn	A&P3684045		
	1				T .	

DATE 10 2013	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.)
8/21	2320.0			DRAINED OIL & REMOUND OIL FILTER- INSTALLED
,				NEW OSL FSLIER CH 48103-1 REPLACED OIL WITH
				PHELLEPS ZOWGO 120TS. RANGENGENE CHECKED FOR
				OZL LEAKS NO LEAKS OBSERVED ASRCRAFT RETURNED
				TO SERVECE Sugar flower 3280129 OWNER
				,
				- where

DATE 19	TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Entries must be endors	pections, Tests, Repairs and Alteration sed with Name, Rating and Certificate Number of acility. (See back pages for other specific entries.)		RECORDIN TACH TIME
	AIR	CIA	TES	18600 Edison Ave. Chesterfield, MO 63005 (636) 536-1341		- A	4/R 1
— D:	ngine ate: 2/21/2014 eg: N7857F odel: IO-540-l	K1G5D		Tach: 2406.2 S/N: RL-15930-48A	TTE: 5414.7 TSMO: 1989.7	Reg: 1	6/19/2014 N7857F I: 1O-540-K1
Ro M	<ol> <li>Took cor</li> <li>Checked</li> <li>Cleaned</li> <li>Cleaned</li> <li>Drained</li> <li>AA4810</li> </ol>	npression to engine to r gapped, tes and inspect oil and insp 3-2 filter.	est: #1 78/80 magneto timin sted, and rota fuel injector pect filter. To	ited spark plugs. nozzles. ok oil sample. Serviced engir mdt: 39-16894 dated 1/25/12	ne with 12 qts Phillips 20W50 X/C and  Prevent fuel injector line failure by inspecting	2	Airmotive
	per Lyco 8. Washed I certify	ming MSB engine, ran	# 342F, no d for leaks, an agine has bee	efects noted. Next due 2506.2 d operation.	th a 100 HR Inspection and has been determined	7/24/14	2474.
	Jeremy I	McInturif	A&P3684045	5			

ATE 9	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Entries must be e	f Inspections, Tests, Repairs and Altondorsed with Name, Rating and Certificate Nupair Facility. (See back pages for other specific	mber of
A.S.	SSOCI	ATE		Edison Ave. field, MO 63005 66-1341		
Date: Reg: N	6/19/2014 N7857F : IO-540-K1G	5D		h: 2444.5 : RL-15930-48A	TTE: 5453.0 TSMO: 2028.0	
2.	Washed eng The aircraft	ine, ran for identified we return to s	leaks, and on was inspected service for the	peration. No defects not	ance with average by	
7/24/14	2474.1				LiREMOVED OIL FILTER - INS LTER CH48/03-1 REPLACED DEL W	
71				PHELLEPS 204 OIL LEAKS, 1	USS 12075, RAN ENCENE CHEC NOLEAKS OBSERVED, ASECRAFT RES	KED FOL
,				Duggy & C	ouver & 3280/29 OWNER	© 1991 ASA

DATE 19	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.)
9/30/4	2525.6			DRASPED OTH & REMOVED OF 2 FELTER - EDSTALLED NEW OTL
	-			FSLTER 48103 - REPLACED OIL WITH 120TS PHELLERS 20W50
				RAN ENGINE & CHECKED FOR LEAKS - NO LEAKS OBSERVED - OWNER ASRCRAFT RETURNED TO SERVECE Drigony & Corror of 3280129
				1
_				

DATE	RECORDING TACH	TODAYS FLIGHT	TOTAL TIME IN	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of
19	TIME		SERVICE	Technician or Repair Facility. (See back pages for other specific entries.)



18600 Edison Ave. Chesterfield, MO 63005 (636) 536-1341

Engine

Date: 3/1/2015 Reg: N7857F

Tach: 2570.5

TTE: 5414.7 TSMO: 2154.0

Model: IO-540-K1G5D

S/N: RL-15930-48A

- Complied with an Annual Inspection in accordance with FAR 43 appendix d.
- 2. Took compression test: #1 79/80 #2 79/80 #3 78/80 #4 78/80 #5 78/80 #6 79/80
- Checked engine to magneto timing.
- Replaced all spark plugs with new p/n URHM38E.
- Cleaned and inspect fuel injector nozzles.
- Drained oil and inspect filter. Took oil sample. Serviced engine with 12 qts Phillips 20W50 X/C and AA48103-2 filter.
- 7. Complied with AD2011-26-04 amdt: 39-16894 dated 1/25/12 Prevent fuel injector line failure by inspecting per Lycoming MSB# 342F, no defects noted. Next due 2670.5 or 3/2016.
- AD2015-02-07 amdt: 39-18074 dated 3/11/2015 Prevent the propeller governor shaft set screw from coming loose N/A due to engine not installed in aerobatic aircraft.
- 9. Replaced induction air filter with new p/n BA3.
- 10. Washed engine, ran for leaks, and operation.

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

Jeremy McInturff A&P3684045IA

DATE 2515 19	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.				
5/22/15	2627,5			DRASNED OSL & REMOVED OIL FILTER - INSTALLED NEW OI				
				FELTER 48103 - REPLACED OIL WITH PHILEPS ZOWSO				
				Que THE THE CHECKIST END LEAKS -NO WEAKS OBSERVED -				
				ASRCRAFT RETURNED TO SERVICE - Brigny Council 5280129				
	AIR A A5500 Engine	TATE.	Chester	Edison Ave. erfield, MO 63005 536-1341				
	Date: 12/1/15 Reg: N7857F Model: 10-540		Chester (636) 53	Tach: 2737.7 TTE: 5746.2 TSMO: 2321.2				
	Date: 12/1/15 Reg: N7857F Model: IO-540 Removed this of	engine moo	Chester (636) 53	Tach: 2737.7 TTE: 5746.2 TSMO: 2321.2 S/N: RL-15930-48A  K1GD s/n RL-15930-48A with total time of 5746.2 for major overhaul.				
	Date: 12/1/15 Reg: N7857F Model: IO-540 Removed this of	engine moderatified was	Chester (636) 53	Tach: 2737.7 TTE: 5746.2 TSMO: 2321.2 S/N: RL-15930-48A  K1GD s/n RL-15930-48A with total time of 5746.2 for major overhaul. and repaired in accordance with current regulations of the FAA and is approved				
	Date: 12/1/15 Reg: N7857F Model: IO-540 Removed this of The aircraft ide for return to se	engine moderatified was	Chester (636) 53	Tach: 2737.7 TTE: 5746.2 TSMO: 2321.2 S/N: RL-15930-48A  K1GD s/n RL-15930-48A with total time of 5746.2 for major overhaul. and repaired in accordance with current regulations of the FAA and is approved				

ATE 9	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.)
			-	Technician of repair (asiny) (ese saint pages in this specific
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				60
				A
				NO
			/	6
	/			
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