The Standard

N'OGG AIRCRAFT AND ENGINE LOG

TT ENGINE, AIRFRAME ZERO – 1205

ASA-SE-1

ENGINE	RECORD	- GENERAL	INFORMATION
--------	--------	-----------	-------------

MANUFACTURER LYCOMING	MODEL ID	540 SIA5 - CAP	
MANUFACTURER LYCOMING SERIAL L 129 44 - 48 A THIS ENGINE IS CURRENTLY INSTALLED IN AIRCRAF	Couper Classic	YPE CERTIFICATE	
THIS ENGINE IS CURRENTLY INSTALLED IN AIRCRAF	T GROVES GIASMIR	<u> </u>	
MINIMUM OCTANE FUEL	OIL GRADE SUMMER	WINTER	
MAGNETO TIME	POINT SETTING	FIRING ORDER	
SPARK PLUG GAP			
MFG. RECOMMENDED OVERHAUL AT	HOURS.		

The Standard



- JAN 1975-

HIGH PERFORMANCE AIRCRAFT ENGINES AND COMPONENTS, INC. MENA, ARKANSAS 71953 501-394-6026 C.R.S. No. 206-37

Cramp LW 108412 N26628

Zero since major rebuild.

September 30, 1988

Major rebuilt Lycoming Engine Model IO-540-S1A5, Serial No. L-12944-48A in accordance with Lycoming Overhaul Manual.

Installed new parts in engine as follows: Major overhaul gasket set, crankshaft damper bushings, counterweight plates, counterweight snap rings, counterweight rollers, connecting rod bearings, connecting rod bolts, connecting rod nuts, vernatherm, idler gear, magneto drive bearings, oil pump drive gear, oil pump driven gear, idler shaft bolts, snap ring, crankshaft gear, crankshaft gear bolt, piston cooling nozzles, oil dowel o-rings, set screw, hydraulic lifter bodies, main bearings, front main bearings, hydraulic lifters, idler shaft nut, idler shaft bolts, tach shaft, tach shaft snap ring, oil pressure relief spring, oil pressure relief spring, oil pressure relief ball, fuel pump spacer,

(Cont'd)

HIGH PERFORMANCE AIRCRAFT ENGINES AND COMPONENTS, INC.

MENA, ARKANSAS 71953 501-394-6026 C.R.S. No. 206-37

piston pins, piston pin plugs, rocker shafts, intake valve stem caps, exhaust valve stem caps, injection nozzles, spark plugs, rocker shaft buttons, cylinder drain hoses, mini clamps, injection fuel tubes, oil filter, magneto cushions, adel clamps, ignition harness, alternator belt, rod bushings, rocker arm bushings, exhaust valves, pistons, valve keepers, valve springs, exhaust studs, piston rings, and valve guides.

Crankcase stress relieved, line bored and resurfaced by DivCo, Inc., Tulsa, Oklahoma.

Crankshaft magnafluxed and dimensionally checked.

Counterweights rebushed by Rick Romans, Tulsa, Oklahoma.

Camshaft reground by Aircraft Specialties Services, Tulsa, Oklahoma.

Connecting rods magnafluxed and rebushed by Aircraft Specialties Services, Tulsa, Oklahoma.

(Cont'd)

HIGH PERFORMANCE AIRCRAFT ENGINES AND COMPONENTS, INC.

MENA, ARKANSAS 71953 501-394-6026 C.R.S. No. 206-37

Servo fuel injector and flow divider overhauled by Precision Air, Miami, Florida.

Fuel pump overhauled by Approved Aircraft Accessories, Taylor, Michigan.

Starter and alternator overhauled by Aero Electric, Wichita, Kansas.

Magnetos overhauled by High Performance Aircraft.

Chrome cylinders honed to ring finish by Aircraft Cylinders of America.

Cylinders polished and air flow checked to within $1\frac{1}{2}\%$ of each other.

High Performance Service Bulletin #1 to be complied with on or before first 15 hours of operation (enclosed). ONE COPY MUST BE RETURNED TO HIGH PERFORMANCE AIRCRAFT.

Engine test run. Note: Minor adjustments may have to be made to coincide with the aircraft.

(Cont'd)

HIGH PERFORMANCE AIRCRAFT ENGINES AND COMPONENTS, INC. MENA, ARKANSAS 71953 501-394-6026 C.R.S. No. 206-37

See back of log book for list of AD Notes.

Magnetos to engine timing should be re-checked at engine installation as per engine data plate.

DATE 190	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
3-13		-	1.0	TAXIED AT VARIOUS RIM SETTINGS
3.20		.5	ر,5	FIRST FLIGHT. ADD 2 QT OIL
3-20		2.0	2.0	ADDITIONAL FLIGHT TESTING ADD 22T OIL
3-21		2.1	2.1	CIUSS COUNTRY FLIGHT ADD LOT OIL
3-23		4.8	4,8	Cross county full ADD 201 OIL
3-24		2.2	2.2	class country fright ADD 201 UIL
4-1		1.4	1.4	LOCAL CHAIR OUT FLIGHT.
4-1		.8	.8	4 2 11
4-3		3.2	3.2	CIUSS COUNTY TO BUILD TIME AND 2 RT OIL
4-4		3.2	3.2	CROSS COUNTRY TO BUILD TIME ADD I AT OIL
4.4		3.2	3.2	choss course to but The ADD 1 at oil
4-5		1.7	1.7	CRUSS CHUNNY TO FINISH TIME CHANGED OIL
		-		

25.1 (m purer Resnections, 4.5.90).

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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
	4.0	4.0	TO SUN'N FULLIN WISTOP IN ATTHEMS. 64. AND 20TS.
	. જ	. 8	Wen PHOTO FLEM BY SPORT AVIATION.
	.7	.7	SUD'N FUN RACE- PROT ATRICAPT & NOT ENGLINE
	9	5.0	RETURN FROM Sun fun wyson in Amous GA. ADD ROTS.
	.7	.7	IN A FLIGHT "GRAND CHAPADION CXD". SULPHEN
	Ø	ø	INSTALLED "BARRER "NUTS ON MAIN HYDRAULIC CYLINDRES AS THE STORDARD HAMILTON SETRUKE BYLLT N \$ 17
	.4	.4	X-WARM KOT & RENRU
	,5	.5	TO BEH = RET. IFR LAW'T GET IN
	مار	.6	TO BEH & PLOT - " PROST HONE'SUILI"
	, 3	. 3	TO CHEZIL OUT GEAR PETRATION ADJUSTIONS OK
	1		REPLACED NOW GEAR FORK ATTACH BALTS
	.7	.7	CHECK OUT AP. ASpen REPARIES
	TACH	TACH TODAYS FLIGHT 4.0 .8 .7 5.0 .7 .7 .7 .7 .6 .4 .5 .6	TACH TODAYS FLIGHT SERVICE 4.0 4.0 .8 .8 .7 .7 5.0 5.0 .7 .7 Ø Ø .4 .4 .5 .5 .6 .6

DATE 19 90	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
6/18	.5	.5	.5	CHAK OUT AP ANT HOLD - DK.
6/24	.3	. 5	.3	HOLL ON AD CTI. TO WIND MIS FUND & CETURE WINDST HOME SWILT DENPHY TO FUND WY SCIONA PROMULE AUSTRALIAN TEST PHOT TO TOTAL TEST TO THE PROMULE OF MISTERIAN.
6124	.3	3	.3	WIREST HOME SOUT DEAPHY AUSTRALIA IES DE
7/2	3	.3	3	TO TOTAL TEST TOTAL ROWE WINGLETTS.
713	16	.6	.6	frins wish Gruben.
7/8	.2	. 2	,2	LOCA FRINT TO CHERK OUT SLAVE GYRO
7/25	1.0	1.0	1.0	70 OSAKOSH 1910
7/31	.8	.3	.8	RENEW TO ELKHAME FROM OSHKOSH 190
8/12	.7	.1	.7	Fry By Quapout of Repuro
8/20	4	1	455	CHANGED OIL & FILTER TIGHTENED WALKER OIL RT. LINE
			TANK	PERMOS 41 HOVES- RUN & CHECK FM LEAKS.
9-3	1.1	1.1	1.1	X cowney CHEZU OUT

DATE 19 90	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
9.9	.7	.7	.7	MARINO OHO - MICHERATIONED RETIONAL FLYIN MERGY
9.9	.7	,7	.7	RETURNS TO ELKHART, WERRY CHAMPOOD TREPTY
9-25	1.0	1.6	1.8	RETURNS TO ELKHART WITH POTENEOUT FRETHY TO OSH KOSH WETTHEN WITH POTENEOUT & RETURN NOTHING RESULTED
10-2	.6	٠. ن	16	KALAMAZOO RETUZN - JAUK KUNKLE DASS
10-15	.3	.3	. 3	LOCAL PRIGHT
10-22	. \$. \$.5	FLYING.
10-30	.7	.7	.7	FLYIME WIPHIL MILLER.
11-10	. 3	.3	.3	FLYIM ADD TRT OIL
1-17	.5	.5	.9	BIANDUAL
1-23	. 3	.3	.3	ferm
11-25	1.4	1.4	1.4	FLYIMS - 1/2 WITHIN MILLON POOD I RT
2-2	,5	. 5	Š	FUIMI

53.4 TACH 52.0

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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
.7	.7	.7	fixing
ه .	ها.	اه،	French 10/PHIL MILLER - ADD 1 RT - Afray RT
	-	— 9	REPLACED PIUS & COTERKEYS ON SLOTTER FLAY HOURS W/AUSS
			BUTS & MIPATED FOR WAYN - OK 2) CHARLES INDUTION CHAN
			For CALLES AS FOR S6#02-OK 3) CHENUS ANT AND DUA
			SPUM 18 PM SB#91-OK 4) (HOLKED OLEO STRUB 15 FCH
			SBAGGS THOSE APPORT TO BE PROPER WELD J-OK.
			5) CHELL ENGINE MODIT FOR CRACKS AS 201 SO #11 PEN AUX
.1	.1	4.7	furm within Muse
,4	4	.4	FLYIMS - ADS. WAT AMP RED.
1 . 1			ADD LOT BY FLYHT WHALL YOU DUT DUT AND. OK.
1 3	.3	.3	RyiM.
	TACH TIME	TACH TODAYS FLIGHT .7 .7 .6 .6 .7 .7 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1	TACH TODAYS FLIGHT SERVICE 17 .7 .7 .6 .6 .6

54.8

	Control of the Contro			
DATE 1991	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
2-3	.8	.8	.8	EATON RADIUS. MI - SKY HARBON ESTATES.
2-10	.6	ا.	. Ь	MOUND - WASSELL - WARS AND
2-10	.5	.5	·5	MICHIGIN CITY - UPUNTE
2-23	_	_	1	COMPLETED ANNUAL INSPECTION AS FER ACCEPTED
				STAMPAROS. THEHTOMO OL RETURN LINE THAT WAS
				Lemany. Zepacaso where Amonts - CHERLY BROKE PAIDS
				PARS 6000 UNTIL LUBHES CYCLED GERM & CHICKED FOR
				WAKS Romano An games & court systems for
				ANDON JOENSTIM Are CAINAIN COMPRESION CHECKED
				WITHNIZE AF CACH ATTON AT 784 1
				Repairmen AK Brian (cri # 2435473 / 1. July
2-23	.3	.3	.3	(HOLKED POT ATAG ANNUM OK.

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, RETAINS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
3-10	.4	. 4	.4	tiv, w.
3-16	,5	.5	.5	France W/DOW LAMBERT
3-26	.3	,3	. 3	Domo Friom
4-3-91			101	A/c surchased from G. Gruber by Dick Gora
<u>, , , , , , , , , , , , , , , , , , , </u>		TOF	30.	Ferried a/c home to San Vose Co without
		11100		A/c surchased from G. Gruber by Dick Gosson Ferried a/c home to San Vose Ca. without incident.
-				-only maintenance entries follow
				More
		1		

DATE 1991	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
4-5	58.1	25.0	83.1	The following was accomplished during
to 6-28	91.			the last 2/2 months:
	1			Airframe: 15 Installed arlum truitat diable
				original. Reversed direction of under trutal.
				Disabled Six intercom, installed Siera
				Radio "Printflite" Lock-saftered allgear
				microcivitales Installed ver pilot cent.
				Modified Prilat stick ! austalled were brane
-				pads (TT=70.1)2 Installed lattery charge jacks
				Rebirt Nose Gar Street Caking . Restored
	,			brake pads'
				Time 54 hours

DATE RECORDING TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
- continued -	AVIONICS: Relocated LORAN, DME, xpro.
	toward - installed belly Dan as-
	Refocated ADF + Stormerage antenna. "Corrected multiple wiring errors in Oxcahend.
	Corrected 30 error in compass slaving: Survey
	corpors and HSF within one degree of CAlibration
	fuel totalger quantity.
	0 0

Time 31 hour

DATE 19 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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
6.29	83.1		83.1	Rebint Nove Gear strut-leaking. Change
		_	·er	Oil + Filter Acroshell W-100. Checked
		6		timing - set At 20%20°. Fitter clear.
				Inspected object & Running too cooffrich.
				Replaced induction SCAT tobing? Fristalled
				Ari - oil separator. Checked Brake flind.
			,	Repaired leaking court sent. Who what
				with ceramica heat tase. 2
				Note to the first terms of the f

True 14 hour

DATE 1991	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
AUG'91	120 L	vs. 6	8/2/91	A) Autopilot Realigned, pitch axis sate alinto).
			, ,	Test flight with STEC organier - 0x8.
		e	8/23/91	Hen Found inversed beg originally installed
		(e)	du la	Restaced w/ proper Key. Quilines 8/ 200
		(4)	8/16/91	3) R/R racuum pung Herborne Ph 214CC
_		æ	8/16/91	A) Replaced 331-0330-201 Firel cap assy
		a	9-20-91	5) Removed 3M Stormocope 1000 RUS andall
				sachs, cables for sale. unsatisfectory referen
				11000

DATE 19 <u>9</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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
		29-27	7-91	Trotal Strhelinder @ Lincoln, CA. 12
		, ,		(sold Stompage on 10-3-91
		10-16	-91	- Oruhavled Alternatoro @ Sam Jose."
	6	11-20.	9) -	- Hestaced borran Computer board LAC 2
	1			Avionics (saday overhow)
				Installed Anna 5000 DB marade
	0	12-1-9	1 -	Installed IFR approach state holder
		-		w/ red hight
			-	and relitted brake Elivid
				- Luded starter bending
			-	raised Voltage regulator from 25.2 to 28
				Time 21 hours

DATE 19 <u>9/</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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
12-13	182,0		182.0	Midifications done by Northermans, aslington WA
				- Pulled VMS DPU Foard and I/o board les vivie
				modified mainting prachet. Replaced Vottage Regulton
				or/new G+C product. Installed standby vacuum
				System. Fiestalled farel pressure smither to statilize
				pressure indications. Removed sight side
				proper left rudder pedals in Blace. Resing
				+2 cylinder ballle (crackes). Redoced right side
				eclanst serma, cut both exhaust collectors.
				thisk w/ cont llars in closed position.
				Removed ceramic exhaust was on both side.
				Complied with S/B # 106 to restace elevator
		\$30		

-0.00				
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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
				Linge botte of ANY-10 A. Charged none gear
				struct to 180 psi. Installed brake sedal
				actuator extension per stadard Hamilton 4
				of the deal marring flas switch to allow
				all Molex connector pins under game!
				Modified fired vent system to prevent signory.
				Trestalled cocost-controllable allernall and
				Commency closed con grane air intake
			•	Vaca duet by 3/2 size Trotolled von B&C Sarter
			<	Train & Mollen. AP 536-73-1229
				soustant: Done 05 Time 80 hour (2 weeks)

DATE 1992	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
36 92	207.8		207.8	Perferenced amount uningentions.
		2/		with standard of c practice and Northernaire .
				Part 43 annual ingrection checklists & Titil
76,	- She		15/	new BHC alternator linear regulater and
_80			181	changed on to Mobil AV 2 (breakin complete)
74			77/	Borescaped ergine - all ox all culib
-180		-	180	and exhaust dry slugs or (closed) ?
13	-	+	76/	Adjusted elevator hinge tension for freedom?
-186		1.	180	of movement. Respected instrument is 1 the
				Restrict prop O-ring seal. Belaced pet lett. "
				Changel tires - Flite Custom It and new brakes
				gracked wheel bearings. Resaired siles
				- Control

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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
				trim motor mount (broke). Be-toyned
				aileron mess balance attachments. 2
				Dressed soop. Runup mag drop
				commerción check all OK. 711
				3-6-92 Sich sine
				AP# 2340946
TAC	K 207.8	2	207.8	annual Inspection computed as per
				annual Inspection comptiled as per
				& grand for utur to service of m. wingth
			1	AI 699177
		2	See	checklist record in GIASAIR III file.

DG Time 52 hour

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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
3-10	210.0		210.0	A/R starter contactor - Jured during
				kickback. Installed reparate, redundant
				spaneto switch to ground sight may.
				Purine cranking may singons by me
11-24	240.		240.0	RIR right with fuel vent line (less)."
7.01	,,,,,,			Bla Gear Redraitic Litting (lick) in
				system downside manifold (syphylment)
			_	Relilled Hydraulic sums reservoir
				Blilled Brake reservoir.
				- changed oil and litter.
				Allist wase ager inlock microsinter.
			_	- Repositioned Side Grace bushing + Staked tim
			_	- Installed conton built close tolerance extrator hinge ANY
				REPLACE ORIGINAL ASSY'S (WORN OUT)

DATE 19 93	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
				per SH summerdation.
1-4	260,6		260.6	Personnel annual ine section constite
1				this date ser slandard sucrett practice
				and in commeliance with Stoldard Hamilton
		. ,	,	Service Billetin Part 43 annual checktret. 20
		18		Oilan Litter HA (changed 11-24-93 @ 240 hrs).
		Jer.	/	Installed aftermentat electronic ignition
		g_{μ}		system restacing RT mag. 30 Divsted charater
		\ /		pushed clearence to fix noise! Installed
			12	By power syphy to power CD/Audio ? Restaced
				At Lett & Refulled all hydraulic reservion
_				and checked for leaks. Runnue and
- Time	238 hr	-		Time 65 pro

TE 73	RECORDING TACH	TODAYS	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
_	TIME	FLIGHT	SERVICE	compression check all ON 15 175
		4		18 80 74 7
	· ·	, ·		More # 2340946 16 17
		1/2	AMHUR	- See SH Part 43 checklist an Lile this le
				Confition Dits weight At 699177
			3	Confition Dista . Wright At 699177
-				ARTEX AIRCRAFT SUPPLIES, INC. 10714 S. Township Rd. Canby, OR 97013 (503) 266-3959 800-547-8901
		Aug.		LOG BOOK ENTRY 3-27-93
4		14.		E.L.T. BATTERY 4-1-95 REPLACEMENT DATE 4-1-95
		L	L	

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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
275.8		25.2	Mods performed by AIRWRKS, inc + me.
			Very Lyntherm / Larry Jophin @ Paso Robles
	-		Frostolled 10" x 20" access panel in
		\ .	top boot cowl for systems access,
	-		But plenume on both air rents, both
			fed from left Naca duct. Right NACA
			ducta closed off.
		1 22	Removed Aux tank entirely, along
			with associated slumbing + willing.
	. 1	12 1	Time assisting 80 hours
,	1		11
r	4	130	2340946
	TACH TIME	TACH TODAYS TIME FLIGHT	TACH TODAYS TIME IN SERVICE

. . .

DATE 19 <u>9</u> 3	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
7-19	285.	0	285.0	Replaced brakes resterished
				all Shride changed batteries to
	,		,	lighter weight sorce batteries. Some
				28 lbs in weight.
				Relocated Vielon Margistems
				box(5) for access. 20
				Fristalled MAC serve for cakin het
				Installed new pads for Bose heedsets.
				Margen 7340946
8-1	295.		295.0	Built and installed 28 " to 14 " converter"
				to somer Electronic Familion system.
				Fried leaping hydraulic litting in
				Two 61 how

				ALTER A TIONS
DATE 19 73	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
				near manifold block (pull bety pan)
-			- 0	Installed GPS 600 (Northston),
~				replacing LORAN MIA. INSTALLED Affitude
				and la GPS intervaled 12
10-1	346.5		346.5	
10-1	J 75.0	-	7.10	to VM1000, including new digital
		4 .		RPM sensoz. 12
				But and installed New right side
				somel to accompodate vnioop. Relocated
-		-	1	by removed amoses as nieded. 30
-			and	Installed digital advance indicator
				2. Let 20
	L		-	an inchance with the same
i				I me

Time 97 has

DATE 1993	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
				Up graded panel wring and connector
				strategy for easy sand removal
1.0		. 1		on statt side . (Rewired Parel) 40
	1	,	1 1 3	Firstalled new main tres - Flite Custon I
			-	Characterised and calibrated etectronic
				comition advance currer . (See GTE file)
				Adjusted Fuel pressure to = 20 lbs
. (_	1	adjusted idle mieture as needed.
1			- Y	Changed oil + filter - No contamination =
		· ×	> ;	todalled one Bust Micholon, 1 _ = 2340946
10-3	3465		341.5	Installed New Lectory reman Bending.
				uninte MAG on Left side - work done
				by Wright Grow Brostraw- ANN Time 56. Nove
				1 me -0

DATE 19 23	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
1-/2	350		350	Completed extensive test series to equality
				(normalie) EGT, mixture agread. Instalked
				cooling inter range to reduce EHT.
				Recision reamed all injector voggles to
		1.	-1, 1	match peak soints. (Sec file data)
				- A+R EGT probes on right side to equididances
	*			- Installed new front (Nose) tre.
				RAR Now front rose granhshaft seal
,	-			splaced atternator felt 12
	-	100	-	checked all hydraulies. 2 Reconnected com 1
			200	coax to belly antenna. 4 Increased cold air
	- * .		٠ ,	symbly to carin heater. New air fulter

Time 88 hom

DATE 1993	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
				Adjusted Nocum regulator yo. Washed
	/			a/c - test flown on 11-20-93.
12/20	374.5	,		Reserved mag Block gashet leak , re-breated
7				cation heat sypply hose to stopchaling; mistalled
				APU sing in right reat back, 6 South and
			7.4	installed a 24x-12x somer converter to
		* *		run all 12x arrivatt apphances. 20 Catiliated
				of seated MAP Sensor box on electronic ignition
			V	system (installed new MAP Lemon vigsle), 8
				Restaced CO/steres some and andio cables.
,				Re-mistalled Foctory upgraded Bose Healists
	1			Washed engine changed oil +
				Trie 50 ha

DATE 1923	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
				Liter. 10 ats CASTRO Systox 5 450.
				compression ck:
***************************************				A cleaned + eapard
	<i>α</i> ν			75 - 76 Dwas:
	1/4			76 Toos: 0,035"
	1/2			76 Botton: 0.018"
	\mathcal{O}_{h}		-	70
	U			20
				* leakage andible @ oil filler cas only.
				- Borescape show No wall domage.
12/1/93			374.5	
/				Level to be in airworthy Computer of
	- 1	4. [10	0	a opproved for return to service AT 699177
	Times?	d Mrs	,-	a.m. Drutt

DATE 1974	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
2-10	386.0	-	386.0	Built and installed "autopilat disconnect
				alarm recommended by STEC factory.
				Fishelled autopulat sensitivity control
				in cocksit console for high allitude
				Restaced VA1000 DAT srabe mistalled
				ver one with grounded case. "
				Trustabled Byan AT8000 TCAD
	t -		1	systems with audio and menal alesto.
	4.1			TCAD sitemo installes inside baggage com
				artire (on ceiling).

Thie 68 hur

DATE 1944	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
2-18	388.0.		388"	Restard left clarater highering due to
<u> </u>				Vibration wear. Used high strength LHA series
				bearing for Load seversal duty.
	391.0		391.0	Tustalled starter energined " light over
				START SW position. 4
				R/R VM1000 I/o board for static damas
			15-7	Re-installed with Aluminan housing/ growned
				Adjusted Voltage Regulator to 29.61
			ls.	in Shaht reading.
			100	Installed New VM 1000 Ams some
				as Albernator LOAD meter. Test llen-
				allox 71 #2340941
			Time	41 how 2-23-94

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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
94 /	410.0	708	overhand this date. are coliders removed.
	hours)	Ruls.	honed, refaced Valveg & souts. In falled
	/.	3 س	ort. valves. lagged valves è leak cherkel.
Carri A	g.	Re-a	
100 51	hore	aee	work done per Lycomina Manuals. Run up
13005	5CD	ا ج لو	
	John The Contract of the Contr	150	Mineral cil. Brian King AER 80580664
TISN		7757	Trine assisting: 30 Was
425.0		15.0	Changed oil + filter. No metal lound in fitte
			All assears OK. Removed AS+S Bresther-
			separator. Replaced w/ DG severator on liveral
	1	5	Balanced injector flows for even peaks (seek
			Trie 210
	TACH TIME	TACH TODAYS FLIGHT 4/10.0 ADMINISTRATION TODAYS FLIGHT 4/10.0 ADMINISTRATION TODAYS FLIGHT	TACH TODAYS TIME IN SERVICE ALLOW TODAYS FLIGHT SERVICE ALLOW TODAYS FLI

DATE 1924	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
CHO	MON.	Fue!		simultaneously). Firstolled cooling inlet
CON	HOWIN	HOLLE		ramps and falfled culinders for men
7.614	THE HA			cooline @ criese (= 395° ± 10). 20
5-15		442.2	15 X X	Began numerous test Shatte investigating
	4			sudden increase in Oil Temp (230'~245').
				Excessive blooky / oil consumption.
			•	Crankcase pressure measured has Avigoed
		1		indicator @ 160 mph equivalent sureuse.
7-8		446.2		Changed to AV-1 il for lower temps?
7-11		451.0		- A/c arounded due to clamon Sueling
		1		accident-mestano induced damase
	William Control of the Control of th			Time 60 hours

DATE 1994	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
-	195N		TISNUT	Danies Summery: Blued citarites male.
				ground sisten laces, all rings street
1				relieved / no tension. Boarnes chow
		-	,	evidence of detoration. Cam spalled
				on 2 lokes. Two smalled litters.
9-21	257.0	1	0	Main onerhead complete. At test flow
				of returned to service - See life for seconds.
				Brilt by me under sperision of BRIGHT KING 180
11-15	462.0		11.0	Installed emergency Ires-full agas system
		,		w/ Air strut assist on None dear. Vmes
				Sestoment = 110 mph IAS demonstrated. 30
•	•			Tim 260 indude OH fore VIS

WRIGHT BROTHERS AVIATION

2660 JOHN MONTGOMERY DRIVE San Jose, CA 95148

C.R.S.	No	_	_	_	_	_	_	_
C.R.S.	No	_	_	_	_	_	_	

9-21-94 Zero Time Major Overhaul Aircraft N 90GG Glasair III Hobbs 451.0 TTSN Engine: Lycoming IO540-S1A5 modified Serial# L-12944-48A

Major overhaul performed this date in accordance with Lycoming Engine

Overhaul Manual and all applicable S.B.'s and A.D.'s to date

Engine disassembled, all parts cleaned and inspected. Crankcase stress relieved, zyglo'd, resurfaced and line-bored by Nickson Machine, inc. of Santa Maria, CA. Crankshaft inspected and magnafluxed. Counterweights re-nitrided and re-bushed. Main and rod journals turned down 0.006" and polished. Con rods part no. LW 10646 cleaned, inspected and rebushed.

New Air Support International camshaft # AS19340 and reground lifter bodies installed with FAA approved Aerolube Process applied. New Ken Hatfield roller-rockers installed with new rocker shafts and custom fit pushrods. New

Lycoming lifters in cyl's #3 and #5.

All new Lycoming cylinder assemblies part # 05K21118 installed. Cylinders custom honed, ported and flow-balanced by Ly-Con, inc. of Visalia, CA. All valves custom seated by Ly-Con. Experimental 10:1 compression, high-silicon forged pistons with anti-scuff skirt and ceramic piston top coatings. Hot shit. New piston pins and plugs, too.

Engine re-assembled with all new gaskets, new con rod bolts and nuts, and new main and rod bearings. Crankshaft gear part no. 13S19648 replaced in accordance with Lycoming AD# 91-14-22, S.B.# 475 Rev A. New oil pump drive gear and aluminum driven gear installed.

Bendix fuel injection system inspected, overhauled and flowed by Accessories Connection of Sacramento, CA. Romec rotary fuel pump disassembled, cleaned and inspected.

Magnetos disassembled and inspected. Left mag TTSN: 104.5. Right mag TTSN: 191.0. Electronic ignition system removed. All new long reach plugs

Fuel filter canister cleaned and filter replaced. New exhaust header support springs and mount hardware installed. New Barry engine dynafocal mounts

installed. New alternator belt.

Aircraft run-up, leak checked, and returned to service.

Signed: Snan Kua Brian King, A&P 80580664

Signed:

Dick Gossen, Owner and Experimenter

of Brian King Stone

Trine 81/2 webs - approx 180 hours

ALTIMETER TESTED TO 2000FT

IAW FAR 43 app E ON 11MAR 95

SIGNATURE SIGNATURE

NORTHEOAST SERVICES WASR955L

TEM & ALTHTUDE REPORTING TESTS ROD BY
FAR 91.411 & THE TRANSPONDER TESTS ROD
BY FAR 91.413 HAVE BEEN PERFORMED. NO GO
ALTIMETER TESTED TO
SIGNATURE
NORTHCOAST SERVICES CRS WR3R956L

Replaced engine fuel filter carriate + top seal. Re-located suel flow transducer to fixerrall. Replaced the home from injector body to spider Redesigned entire engine soffle system

DATE 1925	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
1/26	473.0		22.0	Beformed annual injection this date. 80
-				Tritalled new brakes, re-surfaced disca
				(notors) Re-chiled engine timing, communion
				ox (22 SMON). Prairied oil + Sre-filled
				of Phillips 20-W5D Tusi M". No saudes.
				At insection constited and returned
				to Service - nock sorderned: Bysroved:
				The state of the s
-				2040946
				RA # 2340946
1/20/95	473.0	هـ	certifu	this aircraft has been unspected in accordance
with.	is a	2 0 0	de + i	O of TAR 43 Appelia D'à formal de les in condition
for co	to peign	4 3	wen X	ing AI BOTBOULY True 20

3-2 475.0 24.0 Modified organe cooling toffles, sealed all's 3-2 475.0 24.0 Modified organe cooling toffles, sealed all's switch and strongle of the strongle of the switch of the wired of Surst rollage DVM w/switch Re-wired composed - installed D-sub 37 single-point disconsole-installed D-sub 37 single-point disconsole-installed D-sub 37 single-point disconsole-installed D-sub 37			
3-2 475.0 24.0 Modified organe cooling toffles, sealed all is Titalled New B+C 40 and 28v Attendor an new LS-1 Linear regulator. Trustabled stands, Buss rollage DVM w/switch. Re-wired co console-installed D-sub 37 single-point disc	TACH	TODAYS TIME IN	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
Buss rollage Dem w/switch Re-wired co		24.0	Modified exgine cooling taffles, sealed all rays
Buss-voltage Dim w/switch Re-wired ce	3-2 175		Tritable New B+C 40 pm 28x Attender and
console-installed D-sub 37 single-point dis			new 15 - Timees regulators
console-installed D-sub 37 single-point dis			Buss-rollage Dien w/switch re-wired cent
			console-installed D-sub 37 single point discom
Installed Digital ANAIDA CLOCK & MISIANOS JA			Installed Digital ANALOG Clock . This latted fire
shere on Nose geargas shuti Haves als			shere on Nose geargas starti Mares 1/2/98
3-4 4750 24,0 Rustotled + Slight Ested Bottom TCAD antego	3-4 475	24,0	Ristolled + Slight Ested Bottom TCAD anterior
and antenna diploser module. Replaced			and antenna diplacer module. Replaced
Jeeking offers on Right main actuator. Mosty			Seeking offers on Right main actuator. Modified
center console + seat some for easy remon		1	center console + seat sons for easy removal.

Time 81

DATE 19 45	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
3-13	476	28,0	25.0	RAR vitt hours Panel-created and installed
				Moster essential Avionics bus for ground and
				emergency-airborne use 30 Installed on-oss
				switch for Bose Headsets " Re-wired fuse
	,			panel for cosy ranoval. Documented major
				Ale bus wring map. 8
3-31	479			Installed Lemotable intake restrictions
				tor CHT 2 375 F 10
4.7-95	482.	0	AS	95-07-01 is N/A por parts installed
				R. Rod Bults one SL 75060 Avges Innie
		01-6	73,51-	14A. Brian King At P80580664 Continued
		Ti	ne 67	continued ->

DATE 1945	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
4.14-9	5 48.	3, 2	Ren	royed # 2 #4 & to caluders for ingers
4		of	20 30	elts due to party possibly defective.
/		all	balt	s are stanged SL75060. Cylinders
		ue-	instal	led perty coming manuals. Run up leak
_		مل	ck =	Juget check ok. Brian King A: 880580664
4-14	48	32	Re	noved and inspected thermastatic bypes more
		In	consh	ince or/ Lycoming mandatory 5. B. # 518 A.
		Valv	e sart	#53 E 19600 ser # 1963 revisied OX. 8 Mark
5-4	4195	1	Real	ced GEAR power DACK W/ Newer type. Frital
		in	-lim	Hylrandie tilters an ser. S.H. SVC (Bul. 15
5-25	495.	7	Cornerte	Vorabes fack to original forganic configuration Instal
			ven s	DISKS. Removed brake sedal extender
		-	8	

Two 33 how

DATE 1925	RECORDING TACH TIME	TODAYS FLIGHT	TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
				Re-calibrated and services Bendix Truester Com
				To reduce more fuel flow & Lapsed idle cutoff
				Changed oil -15W/50-8015. Rebuilt 28-14 v 8
				corrector damaged by inabrestant shortfuck-
				Re built rose anto-extend bell-horn (to stiffen)
	111		11	Increased Gos strut lever arm. 8
7/22	5/10		66.0	changed oil/No Sitter - CAPPED TACK Drive
			4,	15 0/50 13 AD no 2 Installed diodes on All Moiore
				Relays. Tolored 14 bus. 6
2/08	555.0			Completel extensive inspections + malifiation
				as ser affedent attached next rage # Thomas
				Trine 402-

1996 Annual Inspection Completed 12/28/95

Record of inspections and modifications performed during the period beginning October 1, 1995 and ending this date, 12-28-95, in preparation for Annual Inspection due January 26,1996

Removed KX 155 Navcom and CDI for resale. Relocated Strikefinder to left panel side. Smartcom upgrade performed by Advanced Avionics, inc. in Lincoln, CA, including remote, digitally tuned Becker radio-located in forward hatch. Relocated GPS to center stack.

Removed right side panel entirely; cleaned up wiring significantly. Entire harnesses replaced and/or re-routed. Avionics master relay assy, relocated to fuselage sidewall. RF relays and autopilot steering relays relocated to forward hatch.

Installed new DRE Communications, Inc. stereo intercom with automatic ATC in-flight voice recorder in center console. Installed new "dash-mounted" automotive CD/FM Stereo unit in right panel (original location of Northstar GPS -600, now in center stack). Reconfigured BOSE headsets for Stereo. Re-wired entire audio harness to eliminate ground loops and other subtle problems. Relocated BOSE control heads to rear sidewall.

Installed Angle-of-Attack indicator system using differential pitot input -method. Installed indicator head in place of original 2" G-meter.

Installed 28 volt, 14 volt, and GND Bus bars in floor of fwd hatch. Re-routed important audio ground wires and chassis connections to common point.

R&R fuel pressure sender/transducer with new unit (contaminated).

Removed annunciator lights at top of panel; relocated in cluster in right spanel. Installed annunciator "audio disable" switch and appropriate warning light. Replaced entire glareshield with lighter, lower profile unit laid up using old g/s as a mold.

Re-designed door opener-gas spring assembly to eliminate deformation of door shell when closed. Installed new gas springs of appropriate stroke and strength.

Removed and re-sealed engine pushrod tubes on cyl's #1,4,6 to stop minor eaks. Replaced #4 pushrod tube (bent lip). All engine bolts and cyl tiedowns retorqued per Lycoming specs by Randy @ Wright Brothers Aviation.

Changed oil and filter, inspected filter contents---(clean). Checked compression...all above 76/80. Consistent with low oil consumption observed (1:8).

Test flight to Baja, SLC, and EDW...15 hours. All OK!

Signed:

Dick Gossen, Owner and Experimenter

FAA RA#2340946

See continuation dated 2/8/25.

Tim: 12 weekends, many evenings

~ 180 hrs

DATE 1996	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SEMMEN	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
2-8	563,3		112.3	Removed t re wired Pilot side Paral for bitter access
1				and Reliability. 20 OH Thight Director, certified +
/				yellow tagged by Fish Resir Sic of San Diego? Titall
				men TAS, guage in place of original, Re-both
				Fribelile to right Side Relocated First. Air Filt
				for access. Removed elevator sitch truin relay bank
				wired direct for timer control "Tistalled Danet - mount
				Oz system w/ thow meters? Installed ven Bosc
			Y3.	Series II Leedset? Ready Con Tropegtion Atter oir
- /	6		10 ho	+ Lite dance by Wight Broker : Mane 2/26/98
2/27	Pigw	19	-	AT 5/1/74996
	Burrech	412	e	2/22/95
				Time 65 ha
-				

				Market 1986
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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
2-28-96	563.3	I.	CERTIFY	this AIRCRAPT has Been inspected in
	× .	A	ccorda	nce with the Scope & Detail of FAR43
	M'S'C	1	ppend	. 1
4	7,5		CONDI	TION FOR SAFE FLIGHT
	4			AT 566674996
2-28	563.3	R	slaced	dovater trying turnbuckle. Dressed Prop
			Roplas	ed ELT Battery 2-28 6
3-15	563.3	I)	edlateu	Boots ON Strope ? Replaced BT Main Gear
		up-La	mh s	witch w/ Milispec unit "Replaced all engine
		la	Hes w	I now surione (Red). Replaced Nose year
		20	nt 1	inges. A Installed cooling pir ductifor
		PLI	BNATO	Q 2 Charged old litte!
5-1	584.2		Chara	ed oil + filter' time 26 hren

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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
7-20	615.3			charged out the View check maine. 2
7)-;	646,0			che and oil + filler - Remind convert in blank
				8 (a/A that stick - [Intermittent A/p) 8
		rive	CENTRE	Installed BICFilteradater's Installed
		apong	m004	Pulselite System! - Raymond Topcont balles "
				Reslaced At elevator outer + center bearing. 8
			12/20	Full insection + Lube retracts ustern. Alded Int.
			/	Seal to isso Strit + mains. 40
HAMMAL	6827		4/12/97	I restale this aircress sur tun majested
			/ / / /	in academie with FAR 43 and D+
				in donailed arrivately & sexued In return to
			1	1 even A. m. Will At 199/17
				tire 54

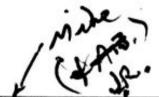
DATE RECORD TAC	H TODAYS	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
JAN97- 688	7	X	charged on & filter filter checks. New tollers New
April 24.1997	5014		tries and brokes. New HS Axle botto + vuto 2
CERTIFY THAT THE ALTITUME & ALTITUME REPORT AR 91.411 & THE TRANSITY FAR 91.413 HAVE BEEN POLITIMETER TESTED TO	PONDER TESTS	SYS- BY ROC FT	OH oil cooler. New aixoils granator / 180 puke B. Relo pièduct of preffitte. New B. filter for ALT. OH Propellor. & Relo (Rewal) (misc) items
AW FAR 43 APP E ON SIGNATURE NORTHCOAST SEF	DATE L	555L	Tropolled D.I.S. dual ignition of dual
5/0;			Envolled DVM for Bus 1/2 moiston
20097 698.		5	world New Ober Ballaychip - WB 1000 2
			Time 134

HARTZELL PROPELLER FOR A/C N90GG

DYNAMICALLY BALANCED PROPELLER TO ENGINE IN ACCORDANCE WITH CHADWICK HELMUTH INSTRUCTIONS AW-9511-2.
FINAL I.P.S. .031

A/C N# N90GG

TACH TIME: 707.0



MAINTENANC	E RELEASE
THE AIRCRAFT AND/OR COMPONENT IDENTIFIED ABOVE WAS REPAIRED IN ACCORDAND WAS FOUND AIRWORTHY FOR RETURN TO SERVICE. PERTINENT DETAILS NO. CAR-3698	OF THE REPAIRS ARE ON FILE AT THIS AGENCY UNDER WORK ORDER
SIGNEDAUTHORIZED IN	DIVIDUAL

U.S. PROPELLER SERVICE OF CALIFORNIA STOCKTON METRO AIRPORT • 1911 E. SIKORSKY • STOCKTON, CA 95206 REPAIR STATION #UIHR910L TEL: 1-800-749-PROP

DATE (%18	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
	732,1)	Spring	1998 annual (progressive)
Chen	t sins	ichtur	Y O	- Replaced entire electronic ignition w/ Flectadair Siden
~~~	0			with manual timing adjust pilot controlled . Installed Marton
			11.11	Bus discorrect . Removed B+C fitter adapter - Restored defect
	$\wedge$	+		instrument ain litter Complied of Precise Flite Bulletin 5 V5973
		21		delective shuttle value ( C/w Sto Sound S.B. 150 - fuel filter cainst
76-		-1-1		- gograded Morthster to M3 - Approch - ven L. Batt. 8
10		75	-	- Upgraled TCAD ATS 8000 - New System, New L. DATT.
72		<i>'</i>		Penemed more year scissors, cut doors. 4 Dreshould lest main
11	$\overline{+}$	-74		MC Savo? Overhaul HSI-cre valenting. 2
10			•••	Insect maint NOSE GEAR Mechanisms
	80	115	July .	harach of litter (mored litter clean 2
	(	6 100	-,	New Brakes Endalled 2 Time 78 hr
				La contraction de la

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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
<u> </u>	165.2		8/3/98	I centity This AIRCHART HAS BEEN
WANT AL				maparko FAN FAR 43 APP D MO
/				15 Fump to be IN Almworthy
				Condition. It work and 3056416TV
Nov198	799.5		>	Changelow - Nosilter (Note: changel or and
				fille moros a 765 hours Ant district onto in Log)
			(e/A	) Installed (2) nouly overshowled I anotion Systems 8
			RIR	Replaced B" batteries, date coded JAN 98, 2
12/98	809.8		_ '	New Tires / clean + repack bearings / Now braxes
7/1				NON DOOR LIFTS 6
3/99	825.0			Changed out of fitter - inspected fitter
			•	Reslaced Nose Time + Timbe - cleaned reparted becoming
				Time 23 hrs

				AND ALTERATION
DATE 49	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
5/15/99	8540			- changed on - No filter. Re-souted Breather - changed on - No filter. Re-souted Breather - Replaced Noise Beauti
7 + -		X	77	Le savea juice il vi
	75-		1,	100000000000000000000000000000000000000
1	16		76 -	Re-axhed ALL scissors 8 Tighter Nose ger
	,		75	JRAG Links. Lube PROP. Filled GEAR Pump your
	15	V	166	I consist this AIRCRAST has been inspected
- Jal	0000	DOP	AN STACK	I.A.W. FAR 43-APD AND IS JOUND TO WE IN
9/5/99	834,0		<del>*</del> * * * * * * * * * * * * * * * * * *	AIRWORTHY CONDITION THE STATE OF A CHANGE
9/6/99	339.0		-	- changed onl, futter, superfied Exter OX 2 - Removed + cleaned TOS & Bottom olugs
28/99	Cours of		475has	
400	916.0		1 2 1	Remove NSD360/ Install Sandel 3308, King KG10
the and	Jan 185	, und		
=				Jane 68 hm

•

	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 MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
3	1/3	935.8			New Traces BRAYET Reamed exh guiles #1,3,5,6,2,4
			,		REPACK bEARings/replaced one. Dil change
2 9	10	990,0	oil/F	Uto 7	Replaced A AND B Batteries 4/15/00 - New Insta AIR FITA
_			6.7	2	Oil change / Sitter = Overhauled System B
_		altr.			18 vition Homers - So notes in blue Rook 8,
_	Š	So a			changed Allphage to NGK27R! Oborhaul Right Brake
_		1	74	$\rightarrow$	New BRAKE Pari New Display for Xprida!
14	5		78		1 Change oil proportor Filton Filton Cloren
_			78	7	Penroumos Germ sung Konnal mes inouguras
		6-1		4	PERIONNE Com 1 # 1780 # 2780 #3150
=				(April )	194 20 #500 #6780 Checker Flaget
_					Entrals For Propon operation,
					trie 45hm

	mel	
DATE 2000	TOTAL TIME IN SERVICE	REFERENCE OF MAJOR REPAIRS AND MAJOR ALTERATIONS TO FAA FORM ACA-337 BY DATE, OR TO THE WORK ORDER BY NUMBER AND THE APPROVING AGENCY.
• ;		which the possible with the state of the state of the
		2000 1946 1 7 35 V
		I contify This singerest ong ine mp Papellon MAS
		Been Engputon IAW FAR 43 App'D' AND IF Found
		to Be in simonthy Consistion
~ /		· Marken
X		1 MAROR MOD \$ \$30564/678
Jan 30	1017	Re-entorcod inner Goes box ribs. Of H hydraulic cylinders/Min
		When style pistons some. The gear made - Sidebrace Stude, HIS Ade balts
		installed GEAR TAXILIGHTS Replaced All hoses (MAIN gen) Re-nig Gear
Jun 30	1051	- on change - Filter checked - clean? Reduced entire exhaust
		System, New GASNETS AND HOWE, 10
2		- Hydro Static Test Oa Bottle Lue 6/2011

			_
DATE 2001	TOTAL TIME IN SERVICE	REFERENCE OF MAJOR REPAIRS AND MAJOR ALTERATIONS TO FAA FORM ACA-337 BY DATE, OR TO THE WORK ORDER BY NUMBER AND THE APPROVING AGENCY.	
0015	1069	Furtalled New CIB2 COMATONA on Bally Pavel - improved gud shi	7
	1 51	New Mid-Continort Gyno installed 10	
<del>6</del> CT 30	1080	New Times of BARKES (Reparch bearings (one Race polished) Swing GOAR/cherk nigging - AI) OK Plushed/Bled Loth BARKE	8
, -	C	exe Pads # 066-10500 8	
NOV 19	1082	I certify this a/e, engine + smellor have been ing	ectr
		19W FAR 43 Ap D' and is found 6 be in gumonthy core	hts
	Ox o	ARP 605660203 youlder South 12/7/2001 - Replaced Fit outsine elevator hinge + bosing (155	7
de	75-	_74 _18/1/202 OH	
	76-	-71 Trans	t-
	73-	- 14 · · · · · · · · · · · · · · · · · ·	<del></del>
		the 24 h	

DATE 2002 19	TOTAL TIME IN SERVICE	FAA		ERENCE OF A	K IO THE WOR	KK OKDEK BY	NUMBER AND	D THE APPROVI	NG AGENT
-03	1/5/02	Replac	FAA FORM ACA-337 BY DATE, OR TO THE WORK ORDER BY NUMBER AND THE APPROVING AGENCY.  Replaced All 12 hydraulic Listers w/ Lycoming Agast 18290  Trespected and ne-installed Roller Rocker Arms, Re-clocked as und						
20/	1089.0	7			A-SIMILE W	HOUSE IS	DOKON A	RMS. Re.	- ( ( ( ) ( ) )
4		20/3/	AHICO /	c clean	114 1911	1- CO1/1510	in Light	S IN COL	UL 8
		CAT #	ı	3	5	2	4	6	
		Ist.	1043	.051	,035	.064	1054	.072	
		Exh.	1039	,063	063	1,043	1.053	.063	
			1	- R	$\rightarrow$	-			>
-		Replac	ed A.Bu	S MAIN I	BATTEN W	1 Tempe	STRI	8-12 (x:	2), BANK-TR7-1
	1/1/2		MELGON	Pump				55390	
<b>~</b>	4/1/20	2	of	Cyer					Ly COU 50943
		<del>-</del>						IALUCS	
5 - pr g	,	H	H WOOK	e perfor	red ay	we then	Allo	Trice	sopr.

## Un-necessary Top Overhaul 2002 TTAF 1104.0 TTSMOH 653.0

In the process of troubleshooting a 'single cylinder miss' on take-off in cold conditions, I erroneously suspected a sticking valve. The symptom was transient, lasting only seconds – so I was unable to determine which cylinder was misbehaving. After a few seconds at full power, the problem disappeared and the engine performed normally until the next really cold morning toak-off. After exhausting every other possibility, including replacing the injector spider, the injectors themselves, removing the electronic ignition and replacing it with brand new mags and harnesses, and replacing all the intake riser gaskets and all the hydraulic lifters, I deduced the problem had to be a faulty rocker arm. Determined that the rocker arms in the engine were non-standard - Replaced all rockers with Lyc Part # 78290

Problem solved

Note: This little adventure was pursued off-and on for at least three years.

DATE 2002	A. D. NUMBER	TOTAL TIME IN SERVICE	AIRWORTHINESS DIRECTIVES CHRONOLOGICAL LISTING OF COMPLIANCE AND METHOD OF COMPLIANCE.
7/15		1118,5	- New Nosewheel Tire and Twe Berner Rock
7			- chanced oil - no filter Asward Dik 100
8/12		1142.0	Installed ADA system - Chaned up Lest pand inst
7			- Replace Sandal Projection Bulb 1
9/1		1150,0	channed on + litter 2
11/1		11750	charged oil
	< ·		DEC 2002 - Pagresine annual
-	Consister of the Constitution of the Constitut	(1104)-	Top overhant complete 5/37/02 - All your valves
	-	pistors	+ 60 Des. New Hydraulic Listers, New Rocker Assy's.
		FACT.	OH fuel distribution system w/ New in lectors.
		(1198)	Compression ale complète 75 \$ 77
			Inspected FWF OK 77-76
•	9		Fine 33hr 78-76

DATE 200'2	A. D. NUMBER	TOTAL TIME IN SERVICE	AIRWORTHINESS DIRECTIVES .  CHRONOLOGICAL LISTING OF COMPLIANCE AND METHOD OF COMPLIANCE.
	- 6	(1202)	Inspected, re-rigged landing geen system. Re-installed
			Engranted toil come, all pushoods And bell cranus?
			Fastalled New NOX gent uplock mirror inch.
			Tightered Nose Gear drag link ATTACK BOITS (Fuschage)
O <del></del>			been inspected in accompance with FAR 43, Am D"
			goshilus Sans ALP 605660203 12/23/2002
12/3	1	1205	- Change in + delter
			0 0

trie 13 hr

TOTAL DATE TIME IN CHRONOLOGICAL LISTING OF COMPLIANCE AND METHOD OF COMPLIANCE. SERVICE Total P.I.C. N9066 for Dick Gosser

Wilste = 1147 hours of certify the true on 2/15/2005 y G. Gruber = flown by Obosser Glasar II-77 MM =1/47 as of 12/31/2005

DATE 19	TOTAL TIME IN SERVICE	EQUIPMENT ADDITION, REMOVAL OR  ITEM — MFG NAME — MODEL — SERIAL	EXCHANGE
3-24-40	11.6	# HC-C24K-1BF HUB Sex # 1603 BLADE # 10455 # 10461	Addition of Optional Equipment Removal of Optional Equipment Addition of Required—Exchanged for Optional Removal of Required—Exchanged for Optional
4-16-97	<b>68</b> 3.5	OH Prop - American Cropellor Sic	Addition of Optional Equipment Removal of Optional Equipment Addition of Required—Exchanged for Optional Removal of Required—Exchanged for Optional
			Addition of Optional Equipment Removal of Optional Equipment Addition of Required—Exchanged for Optional Removal of Required—Exchanged for Optional
> See	correct	on entered in Pilot Logborta #4	Addition of Optional Equipment Removal of Optional Equipment Addition of Required—Exchanged for Optional
and	furthe	accumulated erroys of some Kind.	<ul> <li>□ Addition of Optional Equipment</li> <li>□ Removal of Optional Equipment</li> <li>□ Addition of Required—Exchanged for Optional</li> <li>□ Removal of Required—Exchanged for Optional</li> </ul>

DATE	TOTAL	EQUIPMENT ADDITION, REMOVAL OR EXCHANGE
19	SERVICE	ITEM - MFG NAME - MODEL - SERIAL (TIME)
	NOSO	Removal of Required—Exchanged for Optional
BRANC	Pads 8	Removal of Optional Equipment  Claudian of Optional Equipment  Claudian of Required—Exchanged for Optional  Removal of Optional Equipment
	FORS	Addition of Optional Equipment  Removal of Optional Equipment  Addition of Required—Exchanged for Optional  Removal of Required—Exchanged for Optional
	Net !	Addition of Optional Equipment  Removal of Optional Equipment  Addition of Required—Exchanged for Optional  Removal of Required—Exchanged for Optional
		Addition of Optional Equipment Removal of Optional Equipment Addition of Required—Exchanged for Optional Removal of Required—Exchanged for Optional Removal of Optional Equipment Removal of Optional Equipment Addition of Required—Exchanged for Optional Removal of Required—Exchanged for Optional Removal of Required—Exchanged for Optional Removal of Optional Equipment Addition of Optional Equipment Removal of Optional Equipment