

ENGINE LOG

Mainten-
nan

Date	Engine Time		Recorder Reading	
	This Dote	Since Major		
	Brought Forward ● ●			
				<p>DATE <u>21 May 80</u> TOTAL TIME <u>88.37 hr</u></p> <p>I CERTIFY THAT THIS AIRCRAFT ENGINE HAS BEEN ● ● ● ● ●</p> <p>III ACCORDANCE WITH <u>100 hr</u></p> <p>INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.</p> <p>SIGNATURE & No. <u>Bee Ogli</u> <u>AP 1488747</u></p>
<u>11 July 1980</u>		<u>T.T. 147.5 hr</u>		<p><u>change oil & filter</u></p> <p><u>Aeroshell 500 oil</u></p> <p><u>Bee Ogli AP 1488747</u></p>

Total To Carry Forward

0:00 9800

Signature

Date: 00:00 No.

8000 1980 Total of tank twice

187.9h

change oil & filter

Clean & gas & logs

Compressor check all logs 70's 180

DATE 8000 50 TOTAL TIME 187.9

I CERTIFY THAT THIS AIRCRAFT ENGINE HAS BEEN INSPECTED
IN ACCORDANCE WITH 1000
INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY
CONDITION.

SIGNATURE & NO.

Paul J. ... APP 148874

0011

Engine

Time

Since

Year

at



16 Dec 1950 Wash. Fin. 288.2 by

Change oil at Jeter Phillips

16 Dec 50

288.2

IN ACCORDANCE WITH INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION

100%

SIGNATURE

Reddy's Approval

To Forward

Maintenance

certificO

and Remarks

Signature

1-22-80 305.6 hrs

NO AP

0-17-14 by aircraft accessories

UJ 1A / 1 / - !!!

COMPLY WITH 80-17-14

ITTa v

OF OKLAHO VIA !-JC.

2740 N. Sheridan Road-Tulsa, Oklahoma '14115-Phone 835-992-1

F^{FAA} Approved repair Station No. 4⁷3 Propellers **Limited.**

Accessories Class I a, II

Customer GRADY STONE Work Order No. E 06268 - - -

Part D6LH-2031 MAGNETO.

Serial No. : 214571C

Overhauled by _____ ; et

Date Overhauled 1/20/80

Inspected by _____

SERVICEABLE

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
	TAC. 636.21			
7-15:00	24	31.5 540 of	(OC. f FLAY C/1 4v { (51.J \$6.1t :f -U 71/ 3 ? CHECK et 1m #C. / t! /1? 3 0	
			REGADIES SPARK PLUGS, TH. ECS.: 12.5	
			REPLACE .do/ J/A,t, Yts: et Pv(f?e. G-3/4 Y?	
			W: F.,L.:16-t, e,vM,PCFLJ L d r ^	

word *lflffllj*

Engine Time

Recorder Reading

Mainten_onc

This Date

Since Major

Brought +
Forward

Oc, T'i. JI'1 2..

IV I?-). G-

T'lca- ,n, -y

Ji IYITR.b O, -

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/Cu-<-;

tu) rI

IS-13j7 ft/P



and Remarks

Signature

Certificate No.

12-20-82 TAC 742.9. OIL & FILTERS CHANGED

SERVICED WITH AEROSHELL 80. OIL

ANALYSIS TAKEN. THAD TUNER

APP 134085
20 DEC 82

4-19-83 TAC 791.55 OIL & FILTERS CHANGED

SERVICED WITH AEROSHELL 100, OIL ANALYSIS

TAKEN. 1403/AS 737.6

THAD TUNER
APP 134085

4-19-83 TAC 791.55 NEW EGT PROBE INSTALLED

THAD TUNER
APP 134085

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
7-26-83	Brought Forward →	Track 825.26	Heli's 775.8	Completed tools for annual completion check 7 1/2 1-1/2 2-6 1/2 3-1 1/2 4-1 1/2 5-7 1/4 6-7 1/2 Changed oil, Replaced Filter checked Screws (10) AD 82-20-1 insulators of engine Camping W/weights, (10) AD 82-11-05 by install. in of new Magnet coils Hrs. 825.26
				"I certify that this <u>engine</u> Spec'd in accordance with <u>lock</u> has been in- Inspection and was determined to be in <u>AIR- worthy condition</u> " <u>W. J. Walker</u> <u>15733305IA</u>

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
26 JUL 84	TRACK, 980.45	10335 955.6	10335	APPROX
	RESPECTIVE COMPLETES, OIL & FILTER			
	CHARGES, SERVICED WITH AIRBORNE 100			
	COMPRESSION CHECK, #1 6 ¹ / ₈₀ #2 7 ⁰ / ₈₀ #3 7 ¹ / ₈₀			
	# 7 ³ / ₈₀	# 5 ¹ / ₈₀	# 6 ¹ / ₈₀	SPARK PLUGS CLEAN
	# GAPPED, FOUR TORQUEHOES CLEANED, A/S			
	0/HECK	TRK 84-12		
	I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH <u>APPROX</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.			
	The 2 Times 1A 1340085 26 JUL 84			
Total To				
Brought Forward				

and Remarks

Signature

Certificate No.

9-12-84 HOBBS 100817
TAC 1029.08 OIL 12 of FURTHER CHARGES

SERVICED WITH APPROX 100

THE 2 TUES
APR 13 1985

10 JAN 85 TACH 1041.06 OIL 1 FURTHER CHARGES

SERVICED WITH APPROX 80. ALL FLEWINS HOSES
REPLACED. ENGINE COAK CRACKS 1 OILSK. CRACK

THE 2 TUES
APR 13 1985

the history of the engine log
 the engine log is a record of the engine's performance and maintenance history. It is used to track the engine's condition and to identify any problems that may arise. The log should be kept up to date and should include the following information:

ENGINE LOG

Date	Engine Time		Reading	Maintenance
	This Date	Since Major Brought Forward		
4-11-85		1088.30	Oil & Filter changed	
			Services with adjustments	
				Oil level AP 1340081
7-8-85	TRACK	143.04	Annual inspection completed	
			Oil & Filter changed, services inspection	
			Compressor check # 1 1/80, # 2 7/80 # 3	
			# 4 7/80 # 5 7/80 # 6 7/80, Spark Arches	
			Cleaned alternator, wire replaced	
				"Cont"
Total To Carry Forward				

and Remarks

Signature

Certificate No.

(Contd.)

7-8-85

Four Inspectors checked, Air Filter replaced, oil serviced with Aeroshell 150, Prop overhauled in accordance with AD 77-12-6, 137 Appendix A. AD's checked under 85-13

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH Aeroshell INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

Th & Turner
1340085-

25 OCT 85 TAC M. 1181.0 out of FILTER CHANGES

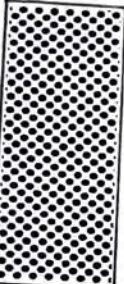
SERVICED WITH AEROSHELL 150

Th & Turner
1340085-

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
12-26-85	TACH.	1202.13		FILTER CHANGED
				SEVICES WITH AEROSHELL 10
				TR & TUEL
				AIR 134085
4-8-85	TACH	1241.0		FILTER CHANGES
				SEVICES WITH AEROSHELL 100
				TR & TUEL
				AIR 134008

Brought Forward



and Remarks

Signature

Certificate No.

9-29-86

TACH

1269.2

OR

AWB FICTER CHURCH

SEVICED WITH AEROSHELL 100

~~FRANK
AD 134087~~

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
2-18-86	TRUCK 1281.72 WRE WIRE 1288.2	ANNUAL INSPECTIONS COMPLETED		COMPRESSION CHECK # 1 1/80, # 2 1/80, # 3 1/80 # 4 1/80, # 5 1/80, # 6 1/80, # 7 1/80, # 8 1/80 PLUGS REPLACED, FUEL INJECTOR. CLEANED AIR 78-9.7 BENDIX IMPLUSE OVERLAP TUSA. 910 MURKELER INSPECTED, AIR 84-26.2 AIR FUEL DUG 1/43. HAS AIRS OK TUNE 80-10, ALSO WRE. DID SIR 469, BENDIX MAG. DISTRIBUTOR BLOCK PU 10-68206 NOT INSTALLED,
Total To	Forward			

and Remarks

Signature

Certificate No.

2-18-86 TACFT 1281.72

Went 1288.2

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH APPROX INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

WJG [Signature] 1513375 IA

2 SEPT 86 TACFT 1296.78

Went 1305.2

NEW AIRBORNE IDLE AIR

PUMP INSTALLED AND # 21CC

3rd 07AR004532

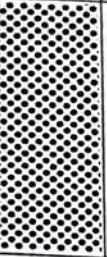
[Signature]

AP 134087

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
9-8-86	TACH 1298.7	OIL & FILTER CHANGES		
	WARRANT 1307.02	SERVICES		
				FILTERS API 15008
11-25-86	TACH. 1320.26	OIL & FILTER CHANGES		
	HR 1330.03	SERVICES WITH ACCESSORIES		
		RESERVA # of INTAKE PUSH RODS		
		TUBES, REPLACES # 2414 OIL		
		RETURN		
		MOSES		FILTERS API 15008

To
y Forward



and Remarks

Signature

Certificate No.

12-3-86 Tack Pads 1320.80. Replaced

oil relief valve (Venetian). Test run

service. Checks OK.

John M. Moore

BP 13845039

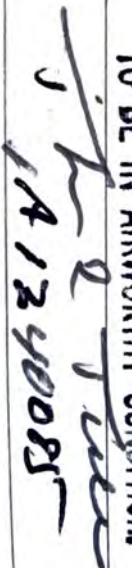
11-27-87 Oil & Filter changed, serviced

TRM. 1346.6 with Aeraswell 100

TI Tux

AP1340015

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
10-87	Brought Forward →	TAC 135340	ANNUAL	INSPECTION
			5 00, 2 1/80, 3 7/80, 4 1/80	COMPLIANCE
			SPARK PLUGS CLEANED & GARNETS, AFT	
			MUFFLER REPLACED, SRT WCC-0-7-1634	
			AIDS CHECK TRIM 87-11	
			I CERTIFY THAT THIS SUBJECT HAS BEEN INSPECTED IN ACCORDANCE WITH <u>ASAP</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.	
			 J. L. Jones 1A1240085	
Total To Carry Forward				

and Remarks

Signature

Certificate No.

10-9-87 TACN 1381.4

OIC AWA FILTER CHANGED

Maintre 1390.0

SERVICES WITH READS 1151 102

IT'S FILTER

AP134081

2-18-88 TAE 1403.5

OIC FILTER CHANGED

SERVICES WITH READS 1151 102

IT'S TREL

AP134081

8-3-88 TACN 1431.6

OIC FILTER CHANGED

SERVICES WITH READS 1151 102

IT'S TREL

AP134081

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
1-JUL 78	Brought Forward →	TACH 1437.0		ANNUAL INSPECTION
				COMPLETES COMPRESSION CHECK
				$P_1 \frac{69}{80}, P_2 \frac{73}{80}, P_3 \frac{73}{80}, P_4 \frac{74}{80}, P_5 \frac{73}{80}, P_6 \frac{76}{80}$
				SPARK PLUGS CLEANED & FUEL INJECTORS
				CLEANED, HEATER MUFFLER INSPECTED
				AD'S CHECK THER 8T-10

I CERTIFY THAT THIS SAVINE
 _____ HAS BEEN INSPECTED
 IN ACCORDANCE WITH ANNUAL
 INSPECTION AND WAS DETERMINED
 TO BE IN Airtworthy CONDITION.
John Turner
 1A134008T
 1-JUL 78

orward

and Remarks

Signature

Certificate No.

8-17-88 TACH 1456.04

OIL & FILTER CHANGED
SERVICED WITH AEROSHELL 80

TH J Turner
AP1340085

3-14-89 TACH 1483.2
HKMTR 1505.0

OIL & FILTER CHANGED
SERVICED WITH AEROSHELL 80

TH J Turner
AP1340085

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
7-1-89	Brought Forward →	1496.2		
				ANNUAL INSPECTION
				COMPLETED, COMPRESSION CHECK #1, #2, #3, #4, #5, #6
				#2 7/80, #3 7/80, #4 7/80, #5 7/80, #6 7/80, SPARK PLUGS
				CLEANED, FUEL INJECTORS CLEANED, HEAT
				MUFFLERS INSPECTED AND'S CHECKED
		89-11		
				I CERTIFY THAT THIS ENGINE
				HAS BEEN INSPECTED
				IN ACCORDANCE WITH <u>ANNUAL</u>
				INSPECTION AND WAS DETERMINED
				TO BE IN AIRWORTHY CONDITION.
				<u>THE TALL</u>
				1A 1340085



and Remarks

Signature

Certificate No.

8-11-89 TACH 1508.1 OIL & FILTER CHANGED
SERVICED WITH AGROSHELL 100

Th L Turner
AP1340085

1-2-90 TACH 1536.77 OIL & FILTER CHANGED
SERVICED WITH AGROSHELL 80.

SCREEN CHECKED

Th L Turner
AP1340085

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
6-22-90	Brought Forward →	TACH 1542.7		ANNUAL INSPECTION COMPLETED
				NEW A-35 SR ADO18630 BATTERY INSTALLED, ECT BATTERY REPLACES ISSUE 7/92, AIRCRAFT LUBED, GEAR RETRACTION COMPLETED, WHEEL BEARINGS REPACKED, REPLACES. RT BRAKE PADS. AD 78-23-1 FUEL DRAIN INSP C/O, AD 79-26-4 RUDDER INSP C/O, AD 76-7-12 BEUDIA MAB 540 C/O, AD 90-2-23 HARTZELL PROP INSP C/O, AD'S CYCLE THRU 90-11, NEW BRACKET AIR FILTER STC SA 6930E INSTALLED, FAA FORM 337 SUBMITTED (CONT)
il To rry Forward				

and Remarks

Signature

Certificate No.

6-22-90 TAC 1542.7

I CERTIFY THAT THIS ~~ENGINE~~
_____ HAS BEEN INSPECTED
IN ACCORDANCE WITH ANNUAL
INSPECTION AND WAS DETERMINED
TO BE IN AIRWORTHY CONDITION.

~~Th & Tucker~~
A1B40025

6-22-90 TACH 1542.7

COMPRESSION CHECK #1 $0\frac{7}{80}$, #2 $7\frac{3}{80}$
#3 $7\frac{4}{80}$, #4 $7\frac{2}{80}$, #5 $7\frac{2}{80}$, #6 $7\frac{2}{80}$, SPARK PLUGS

9 FUEL INJECTORS CLEANED HEATER MUFFLER

INSPECTED

I CERTIFY THAT THIS ENGINE
_____ HAS BEEN INSPECTED
IN ACCORDANCE WITH ANNUAL
INSPECTION AND WAS DETERMINED
TO BE IN AIRWORTHY CONDITION.

Th & Tucker
A1B40025

CZYK-1BF

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
7-10-90	Brought Forward →	1542.7	MAINTENANCE RECORD	AS 77-12-6
		SB 118C	SR 151A C/W	BY FOSTER
		PROP SERVICE	220Z,	PROP INSTALLATION
		OPER. CHECK		THU TUE
				AP 1340081

Remarks

Signature

Certificate No.

91 TAC 37.8. ANNUAL INSPECTION COMPLETED,
T.T 1582.12 OIL & FILTER CHANGED SERVICED
WITH ROTOSHIELD 100, COMPRESSION CHECK
1 $7\frac{4}{80}$, # 2 $7\frac{2}{80}$, # 3 $7\frac{4}{80}$, # 4 $7\frac{4}{80}$, # 5 $7\frac{3}{80}$, # 6 $7\frac{4}{80}$, SPARK
PLUGS & FUEL INJECTORS CLEANED, AIR MUFFLER
& INT EXH. PIPE OVERHAULED, AND CHECK
TMRU 91-12

I CERTIFY THAT THIS ENGINE
_____ HAS BEEN INSPECTED
IN ACCORDANCE WITH 10000
INSPECTION AND WAS DETERMINED
TO BE IN AIRWORTHY CONDITION.

Thad Turner
IA 1340081

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
12-7-91	Brought Forward →	Tach 76.1		
			Oil and filter changed	
			Serviceed with Aeroshell 80	
			Tommy Freeman ASP 446780270	
1-23-92	Hobbs 1688.3	Tach 113.1		
			Oil and filter changed	
			Serviceed with Aeroshell 80	
			Tommy Freeman ASP 446780270	
Total To				

and Remarks

Signature

Certificate No.

7-24-92 TACISLO.1 ANNUAL INSPECTION COMPLETED
TTSN 1700.42 OIL & FILTER CHANGED, SCREEN CHECKED
SERVICED WITH AEROSHELL 100, COMPRESSION
CHECK #1 70/80, #2 72/80, #3 75/80, #4 74/80, #5 73/80, #6 75/80,
SPARK PLUGS & FUEL INJECTORS CLEANED, HEATER
MUFFLERS INSPECTED, HOSE FROM AIR INLET TO HEATER
REPLACED, FUEL INJECTOR NOZZLES DO COMPLY WITH
LYC. SB 342A. ADS CHECK THRU 92-11

I CERTIFY THAT THIS ENGINE
HAS BEEN INSPECTED
IN ACCORDANCE WITH ANNUAL
INSPECTION AND WAS DETERMINED
TO BE IN AIRWORTHY CONDITION.

J. H. TULL
IA 1340085

and Remarks

Signature

Certificate No.

8-30-93

TACH 226.7

ANNUAL

INSPECTION COMPLETED

COMPRESSION CHECK #1 $7\frac{1}{8}$, #2 $7\frac{3}{8}$, #3 $7\frac{1}{8}$

#4 $7\frac{1}{8}$, #5 $7\frac{3}{8}$, #6 $7\frac{1}{8}$, SPARK PLUGS & FUEL

INJECTORS CLEANED, AD 78-9-7 BODDLY

IMPULSE COUPLING INSP QW, AD 93-2-5 CYC.

FUEL INJECTOR LINES INSP QW, AD 90-2-23

HARTZ PROP INSP QW, AD'S CHECK THRU 93-14

I CERTIFY THAT THIS ENGINE

HAS BEEN INSPECTED

IN ACCORDANCE WITH ANNUAL

INSPECTION AND WAS DETERMINED

TO BE IN AIRWORTHY CONDITION.

Michael
1A134081

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
10-14-93	Brought Forward →	TOTAL 1782.1	TAC 237.8	OIL & FILTER CHANGED SERVICED WITH MOBIL 80 OIL ANALYSIS TAKEN <u>Indtull</u> AP13V1185
7-20-94			TAC 205.	OIL & FILTER CHANGED SERVICED WITH MOBIL 80 <u>Indtull</u> AP1340085
Forward				

and Remarks

Signature

Certificate No.

20-94

TAC 281.8

ANNUAL INSPECTION COMPLETED

T.T 1826.1

COMPRESSION CHECK #1 70, 2. 73, 3, 72

#4 72, #5 70, #6 74/80, SPARK PLUGS &

FUEL INJECTORS CLEANED, AD 93-2-5 CYC. FUEL

INJECTOR LINES INSP YW, WATER MUFFLER INSPECTED,

ADS CHECK TNRU 94-16

I CERTIFY THAT THIS ENGINE
_____ HAS BEEN INSPECTED
IN ACCORDANCE WITH ANNUAL
INSPECTION AND WAS DETERMINED
TO BE IN AIRWORTHY CONDITION.

TH STULL
1A1340081

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
9-12-95	Brought Forward →	1851.3	307.0	ANNUAL INSPECTION COMPLETED, COMPRESSION CHECK #1, 70 #2 75, #3 78, #4 70, #5 75 #6 73/80, OIL & FILTER CHANGED, THERMOSTATIC BYPASS VALVE INSPI. AND SB SIBC, SERVICED WITH AGREEMENT SD, AIR FILTER REPLACED. HEATER MUFFLER INSPECTED, AD 93-2-5 LHC INSPECTOR LINES INSPECTED, SPARK PLUGS & FUEL INJECTORS CLEANED, ADS CHECK THRU 95-17
				(Cont.)

(Cont.)

Brought Forward

and Remarks

Signature

Certificate No.

9-12-95 TAC 307.0

I CERTIFY THAT THIS ENGINE
_____ HAS BEEN INSPECTED
IN ACCORDANCE WITH SMOH
INSPECTION AND WAS DETERMINED
TO BE IN AIRWORTHY CONDITION.

Tim Tull
1, A1340081

9-23-96 TAC 346.8

ANNUAL INSPECTION COMPLETION
SMOH 1899.1 COMPRESSION CHECK #1 75, #2 75, #3 74,
#4 70, #5 76, #6 73/80, OIL & FILTER

CHANGED & SERVICED WITH MEROPH 80.

CRACK REPAIRED IN #3 & #4 MANIFOLD,

AD 95-26-13 OIL COOLER HOSES REPLACED,

AD 93-2-5 LYC FUEL INSULATOR LINES C/O,

(C/O)

and Remarks

Signature

Certificate No.

80-97 TAC 382.7 ANNUAL INSPECTION COMPLETED.

SMOH 193510

COMPRESSION CHECK #1 75, #2 70, #3 70, #4 70,

#5 70, #6 74/80, OIL FILTER CHANGED, SERVICED

WITH AEROSHELL 80, VALVE TIMING CHECKED & RESET.

HEATER MUFFLER INSPECTED, AS .93-2-5 LYO FUEL

GING INSPEC. C100, ADS CHECK TNRU 97-16, REPLACED

ALL SPARK PLUGS,

I CERTIFY THAT THIS ENGINE
 _____ HAS BEEN INSPECTED
 IN ACCORDANCE WITH ANNUAL
 INSPECTION AND WAS DETERMINED
 TO BE IN AIRWORTHY CONDITION.
 [Signature]
 1A134008 ✓

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of
es.)

LOG BOOK ENTRY

Model: Textron-Lycoming IO-540-K1G5D

S/N: L-18829-48A

Date: 19 Jan 99

TSN:

W.O. #7068

TSO: 0.00

Overhauled powerplant IAW p/n 60294-7 Overhaul Manual and SSP 1776 Table of Limits to new engine clearance limits. See Parts List # 7068_ for complete list of parts used at this access.

Installed 6 ea. Factory new cylinder kits p/n 05K21120
Installed M06P crankshaft balanced per BPA Process Spec. #001
Replaced 1 ea. p/n LW 10646 connecting rod, same weight group

Complied with the following Service Bulletins, Instructions, FAA-AD's:

- SB 240N required parts at overhaul
- SB 475B crankgear mod, fit and installation due each access
- SB 518 new p/n 53E 22144 valve installed
- SB 342A (AD93-02-05) fuel inj. line installation & Insp. due each 12 Mo. 100 Hr. or access
- SB 524 (AD96-09-10) N/a by suffix -K1G5D
- SB 527C (AD97-15-11) N/a by manufacturing code
- SB 501B (AD92-12-05) superceded by SB 527C
- AD91-08-07 N/a by pump type
- ADB1-18-04 N/a by suffix -K1G5D
- SI 1012F counterweight inspection & Inst.


Major Repairs accomplished at this access:

Component	Facility	W.O.#
Fuel System	Airflow Perf. X9PR865N	2228
crankcase	Divco DB2R762K	69087
crankshaft	Rick Romans, Inc BE2R713K	33024
counterweight	" " "	33024
camshaft	" " "	33024
magneto	EMI E8MR381j	11009
oil cooler	Drake Air	33778

Tested engine IAW manufactures suggested test after overhaul. See test cell report dated_18 Jan 99. Hot compression test: #1 77/80 #2 75/80 #3 74/80 #4 74/80 #5 70/80 #6 75/80 with Burroughs Orfice Cv=44. Cut oil filter-normal.

This POWERPLANT has been inspected and repaired IAW Federal Aviation Regulations and is APPROVED FOR RETURN TO SERVICE. Details of the repair are on file at this facility under W.O. 7068__.

Barrett Performance Aircraft, Inc. by
FAA-CRS XBTR929K


M. Barrett
authorized signature

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.)
1-28	431.8 S.M.O.H	0.0	1984.1	Installed This Engine in Piper PA32 R300T S/N 32R-7985055, N21226, Using All New Engine Mounts (Borg 94110-02) All New fuel Lines And Oil Lines Dohi Alternator (Electro WO. M450370) New Starter (Magnafite) Dohi Prop Governor (EM 100 10938), Propeller Dohi By Koster (WO 2163). Replaced Induction Air Filter (BA-3) Engine Serviced with 11 qt Aewshell M-80. Engine Ground Run and Leak checked Satisfactory George Robinson AIP 2332156

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.)
1-28-99	431.8		1984.1	ANNUAL INSPO COMPLETION. ADS CHECK THRU 99-1, LEATER MUFFLER INSPO. COMP.
	SMOIT	"0.0"		I CERTIFY THAT THIS ENGINE _____ HAS BEEN INSPECTED IN ACCORDANCE WITH ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. THE TOWER A 134008

DATE 19 <u> </u> 20 <u> </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.)
1-26-00	572.6		2124.9	ANNUAL INSPECTION COMPLETED
	SMOH	140.8		AD 93-2-5 FUEL ENSURE LIQUID WASH C/W) AD CHECK + NR20. 00-1

I CERTIFY THAT THIS ENGINE
 _____ HAS BEEN INSPECTED
 IN ACCORDANCE WITH ANNUAL
 INSPECTION AND WAS DETERMINED
 TO BE IN AIRWORTHY CONDITION.
 [Signature]
 1A 1340081
 1-26-00

DATE
~~19~~
 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.)

2-4

572.6

SMOH 140.8

2124.9

Removed cowling performed compression test #1 $1\frac{3}{80}$, #2 $1\frac{1}{80}$, #3 $2\frac{5}{80}$, #4 $2\frac{5}{80}$, #5 $2\frac{1}{80}$, #6 $2\frac{4}{80}$, changed oil with 120 Aeroshell 15W-50, changed oil filter with Champion CH46103, checked mag to engine timing, cleaned & gaped plugs, checked Ignition leads, cleaned injectors, checked engine controls, wires & belts & hoses, installed new Air Filter Pt. # BA-3,
 M. Oshorn ATP 553-11-194

DATE 19-2000	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.)
5-1	618.5 SMU # 40 181.7		2170.8	Removed cover & replaced oil Temp sensor washed engine & ground run. At #55311119 <u>Mark Osborn</u>
1-17-01	703.9			changed oil & filter serviced with 12 at's Aeroshell 15-50 & 48103 filter run compression #1 $7\frac{1}{8}$, #2 $7\frac{3}{8}$, #3 $7\frac{1}{8}$ #4 $7\frac{3}{8}$, #5 $6\frac{1}{8}$, #6 $7\frac{1}{8}$. - checked was timing - checked & checked spark plugs checked & check injectors - inspected heat muff & exhaust system - checked Air filter tightened loose vacuum pump filter replaced missing bolt on Alternator washed eye At #553111196 <u>Mark Osborn</u>

Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

DATE
19 _____

RECORDING TACH TIME

TODAYS FLIGHT

TOTAL TIME IN SERVICE

01/17/2001

TAC Time 703.9

Total Time 2253.6

SMOH 267.1

I Certify that this Engine has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition.

ADs checked thru 2000-26

N Number
21226

TH 2 TUCKER
Thomas I Tucker IA 1340085
17 JAN 01

3-10-02	Tach 761.4	ENGINE RAN AND INSPECTED I/A/W AN 100HR INSPECTION.
	S.M.O.H. 329.6	OIL DRAINED, SCREEN CH'D, FILTER OPENED AND INSPECTED.
	T.I. 2313.7	NEW CH 48103 FILTER INSTALLED AND FILLED WITH 12 QTS
	AERO SHELL 15W50 OIL.	GL'S COMP. #177/#274/#376/#475/#575/#674.
		CH'D GAPPED & ROTATED PLUGS. CLEANED SCREEN IN FUEL SERVO. MISC
		REPAIRS TO ENGINE HOFFLES. NEW BRACKET AIR FILTER ELEMENT
		INSTALLED. ENGINE WASHED. C/W AD 93-02-05 FUEL INJECTOR
		LINE & CLAMPS. Q. AD'S CHECKED FOR COMPLIANCE AS APPLICABLE
		CONT. →

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

CONT.	THRU	ISSUE	02-09	ENGINE RE-COWLED AND RAN FOR LEAK CHECKS. THIS ENGINE DETERMINED AIRWORTHY FOR CONTINUED SERVICE. <i>Plumbill ATP 542447023.</i>
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5-8-03	822.9	SMOH	391.1	ENGINE RAN FOR SYSTEMS CK'S. DRAINED OIL, INSPECTED FILTER. NEW CH48103 FILTER INSTALLED. SERVICED WITH 12 CTS AEROSHELL 15W50 OIL. Cyl Comp. #1 78/ #2 75/ #3 78/ #4 73/ #5 73/ #6 78/. PLUGS CLEANED, GAPPED & ROTATED. C/W AD 02-12-07 BY REMOVING ADAPTER PLATE AND INSTALLING NEW GASKET P/N 06B23072 & SCRIBING 543 ON BASE PLATE. C/W AD 02-26-01 INJECTOR LINES AND CLAMPS INSPECTION. AD 02-19-03 N/A. AD 02-23-06 N/A. ENGINE WASHED & RAN. COWL INSTALLED. I CERTIFY THAT THIS ENGINE WAS INSPECTED I/A/W W/ 100HR INSPECTION & DETERMINED AIRWORTHY FOR RETURN TO SERVICE THIS DATE. <i>Plumbill ATP 2752096</i>
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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	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
5-21-04	880.1	tach		Engine run up - operational check. Drained oil and serviced with 12 qts Aeroshell 15WS. Oil sample taken. Remove oil filter and normal results found. Install new oil filter. Compression test #1 $7\frac{1}{80}$, #2 $7\frac{1}{80}$, #3 $7\frac{1}{80}$, #4 $7\frac{1}{80}$, #5 $7\frac{1}{80}$, #6 $7\frac{1}{80}$. Magnets retimed to 20° BTC. Installed 6 new RHM38E spark plugs lower position. Installed new oil dip stick o-ring P/N 72312. CW AD 02-12-07 per MSB543A gasket P/N 06B23072 installed 5-8-03. Marked plate with #534. No further action required. CW AD 02-23-01 by visual inspection of injector lines & clamps. No defects found. Next Due 980 Tach - 5/05-0H or clamp/line removal. I certify this engine has been inspected in accordance with a 100 hour inspection and was determined to be in airworthy condition.

Paul N. [Signature] AP 3735076647A

Engine Log Entry

Lyc IO-540-K1G5D S/N L-18829-48A Tach ⁹⁰⁶³_{963.0} SMOH 464.5 Eng. TT 2448.5

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ries.)

Engine ran for Pre-inspection ops checks. Drained oil & inspected filter. Installed new CH48103-1 oil filter and filled with 12 qts Aero-Shell 15—50 oil. Cyl compression test #1-73/80, #2-72/80, #3-76/80, #4-75/80, #5-73/80, #6-74/80. Repaired Left baffle. C/W AD 02-26-01 fuel injector line clamp inspection. AD's checked for compliance as applicable thru issue 05-12. Engine washed and ran for post ops. Checks. Cowling reinstalled.

I certify this engine has been inspected I/A/W a 100 hour inspection and determined airworthy for return to service this date.

Robert Kimball
AIP 2792096 AI

Tach 9073 SMOH 464.5

Ran engine for Hot compression ✓. Drained oil & inspected filter
Installed new CH48103-1 filter & 12 qts 15W50. Cylinder compression test
#1 74/80 #2 70/8 #3 78/80 #4 74/80 #5 74/80 #6 72/80. Removed exhaust ad
sent for overhaul C/W AD 02-26-01 AD's checked for compliance as of 05-18.

I certify this engine has been inspected IAW a 100 hour inspection & determined
to be in an airworthy condition this time & Date

Christopher A. Albrecht 2792099 AIP

Chris A. Albrecht

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations <small>Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)</small>
9-25-07	994.6		2536.8	ENGINE RAN FOR FUNCTIONAL CHECKS. DRAINED OIL, R4R FILTER. SERVICED WITH 12 QUARTS AEROSHELL 15W50 OIL. Cyl Comp. #1 ⁷⁶ / ₈₀ #2 ⁷⁵ / ₈₀ #3 ⁷⁶ / ₈₀ #4 ⁷⁶ / ₈₀ #5 ⁷² / ₈₀ #6 ⁷⁴ / ₈₀ . Plugs cleaned, oiled + rotated. C/W AD 02-26-01 Fuel Injector Lines + Clamps Inspection. ENGINE WASHED + TEST RUN OK. I certify that this engine has been inspected I/A/W AN 100HR inspection and determined airworthy for return to service this date <i>Reginald Kimball A99002752096</i>

9-4-08 N2122G Lyc IO-540-K1G5D S/N L-18829-48A Tach 1004.0 S.M.O.H. 572.2

Engine ran for functional checks. Oil drained, removed oil filter, & inspected. Obtained oil sample for analysis. Installed new CH48103-1 filter and serviced with 12 qts. Aeroshell 15W50 oil. Plugs cleaned and rotated. Replaced intake tube gasket #4 cyl. Cyl comp: #1-72/80, #2-76/80, #3-72/80, #4-75/80, #5-72/80, #6-74/80. Ad 95-26-13 oil cooler hoses C/W by installing 3 new hoses supplied by PHT, Inc. AD 2008-08-14 fuel servo, found n/a due to OH date. C/W AD 2008-14-07 fuel injection lines by visual inspection and manual test of lines and clamps. AD's checked for compliance as applicable thru issue 2008-17. I certify that this engine has been inspected I/A/W a 100 hr. inspection and was determined airworthy for return to service this date.

Reginald Kimball A99002752096

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.)
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10-7-09 N2122G Lyc IO-540-K1G5D S/N L-18829-48A Tach 1044.5 SMOH 612.7 Eng T.T.2586.8

Engine ran for functional tests. Oil drained and sample obtained for analysis. Filter removed and inspected. Installed new filter and serviced with 12 qts. Aeroshell 15W50 oil. Removed fuel nozzles, cleaned, and re-installed. Cyl Comp: #1-77/80, #2-73/80, #3-73/80, #4-76/80, #5-73/80, #6-76/80. Plugs cleaned, gapped, And re-installed. C/W AD 78-23-01 fuel injector lines and clamps for security. AD 2009-02-03 found N/A due to O.H. date. Engine washed and ran for leak checks.

I certify that this engine has been inspected I/A/W a 100 hr. inspection and was determined airworthy for return to service this date

Reginald Kimball AIP 002752096 AIP

TAIL NUM:	N2122G	DAVIS FIELD AVIATION, LLC 1200 Sabre St Muskogee, OK 74403 (918) 682-4101	S. M. O. H:	635.2
ENGINE MAKE:	LYCOMING		TACH TIME:	1,067.0
ENGINE MODEL:	IO-540-K165D		ENGINE T. T:	2,609.3
ENGINE S/N:	L-18829-48A		DATE:	11/11/2010

Engine ran for system operational checks. Drained oil and obtained sample for oil analysis. Removed and inspected oil filter and installed new CH48103-1 oil filter. Serviced with 12 quarts of Aeroshell 15W50 oil. Cleaned, gapped and rotated spark plugs. Complied with AD08-14-07 Fuel injection lines, clamps etc... for security, leakage and breaks. Engine and cowling were washed. Engine test ran OK. I certify that this engine has been inspected I/A/W an annual inspection and was determined airworthy for return to service this date.

Signed: *Reginald Kimball AIP 002752096*

TT_2616.2__TSMOH_642.1__

Jan. 04, 2012

IO-540-K1G5D

S/N L-18829-48A

WO# 22604

This engine was disassembled only enough to facilitate an inspection and repairs following a prop strike.

Applicable parts were cleaned, inspected and reworked/replaced as necessary to ascertain airworthiness.

Note:

A.D.# Method of compliance

95-07-01 N/A to these new SL75060 rod bolts.

02-12-07 C/W by use of p/n 06B23072 seal I/A/W SB543 & SI1453.

02-19-03 N/A to this serviceable crankshaft s/n 89072.

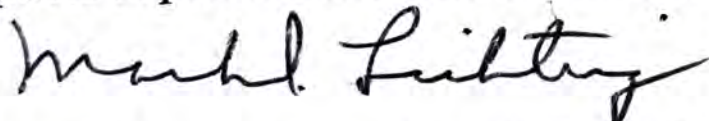
04-10-14 C/W SB475C; gear mod., insp. & retention.

05-19-11 N/A to this serviceable crankshaft s/n 89072.

06-20-09 N/A to this serviceable crankshaft s/n 89072.

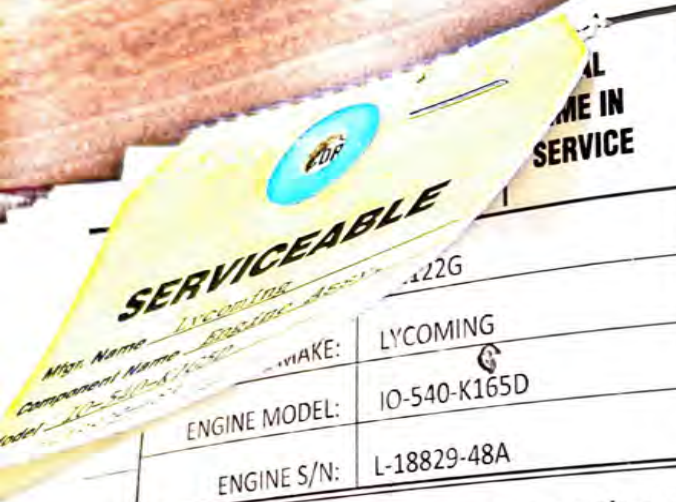
11-26-04 C/W SB342F; lines insp. & secured.

Engine was reassembled I/A/W Lycoming overhaul manual 60294-7-12, test ran on a stand and found ready for return to service. Pertinent details are on file at this station under order no. 22604; parts replaced are listed on attached work order.



Mark D. Lickteig for CRS# DC2R763K.

Custom Airmotive, Inc.
 FAA REPAIR STATION #DC2R763K
 AIRCRAFT ENGINE SERVICE
 2702 N. SHERIDAN, BLDG. B
 TULSA, OK 74115
 (918) 836-6836
 FAX (918) 836-9431



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 S/N:	L-18829-48A	DAVIS FIELD AVIATION, LLC 1200 Sabre St Muskogee, OK 74403 (918) 682-4101	S. M. O. H:	642.1
ENGINE MODEL:	IO-540-K165D		TACH TIME:	0.0
MAKE:	LYCOMING		ENGINE T. T.:	2,616.2
TAIL NUM:	N22G		DATE:	06/21/2012

Reinstalled engine after inspection, see previous log entry. Replaced scat duct as needed. Cleaned and replaced plugs. Reset mag timing after installation on mount. Serviced with 11 quarts of Aero Shell 15W50 oil. Replaced drain hoses. Engine test ran for leak check and functional tests. I certify that this engine has been inspected I/A/W an annual inspection and was determined airworthy for return to service this date.

Signed: *Paul Kimball* AIP 002752096

TAIL NUM:	N2122G	DAVIS FIELD AVIATION, LLC 1200 Sabre St Muskogee, OK 74403 (918) 682-4101	ENG T.T.	2642.1
MAKE:	LCY		HOBBS TIME:	0025.9
MODEL:	IO-540-K1G5D		S.M.O.H	668.0
S/N:	L-18829-48A		WORK ORDER:	
			DATE:	10/25/2012

Ran engine and drained oil. Obtained sample for analysis. Removed old filter and installed new filter P/N CH48103-1. Inspected old filter. Serviced engine with 11 Qts. Of Aero Shell 15W50 oil.

Paul Kimball AIP 002752096

TAIL NUM:	N2122G	DAVIS FIELD AVIATION, LLC 1200 Sabre St Muskogee, OK 74403 (918) 682-4101	S. M. O. H:	693.1
ENGINE MAKE:	LYCOMING		TACH TIME:	051.0
ENGINE MODEL:	IO-540-K1G5D		ENGINE T. T:	2,667.2
ENGINE S/N:	L-18829-48A		DATE:	09-09-14

Engine ran for system operational checks. Drained oil and obtained sample for oil analysis. Removed and inspected oil filter and installed new AA48103-2 filter. Serviced with 12 Qts. of Aero Shell 15W50 oil. Cylinder comp. #1 72/, #2 72/, #3 70/, #4 70/, #5 68/, and #6 72/80. Cleaned bottom plugs and reinstalled. C/W AD 11-06-04 Fuel injector lines, clamps and fuel nozzles by inspection. AD's checked for compliance as applicable to this engine. I certify that this engine has been inspected I/A/W a 100 hour inspection and was determined airworthy for return to service this date.

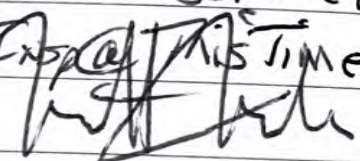
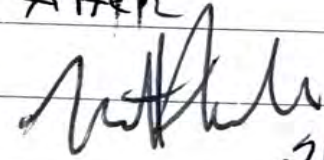
Robert Kimball AIP 002752096 AI

TAIL NUM:	N2122G	DAVIS FIELD AVIATION, LLC 1200 Sabre St Muskogee, OK 74403 (918) 682-4101	S. M. O. H:	720.6
ENGINE MAKE:	LYCOMING		TACH TIME:	078.5
ENGINE MODEL:	IO-540-K1G5D		ENGINE T. T:	2,694.7
ENGINE S/N:	L-18829-48A		DATE:	11-04-15

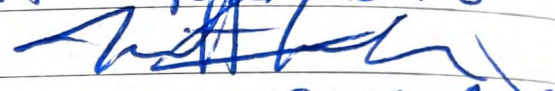
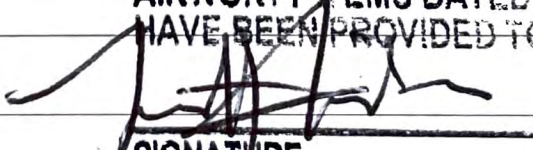
Engine ran for performance op's checks. Drained oil, obtained sample for analysis. Removed filter, inspected and installed new filter P/N CH48103-1 and serviced with 11 Qt's of Aero Shell W15W50 oil. Cylinder comp. #1 72/, #2 70/, #3 72/, #4 66/, #5 70/ and #6 72/80. Plugs cleaned, inspected, tested and rotated on installation. C/W AD's as applicable and due. AD 2009-02-03 Servo plug gasket by replacement of gasket with new gasket P/N 2577258 and stamping "G" on plug prior to re-installing per MSB No. PRS-107. AD 2015-19-07 Fuel injector lines by inspection of lines, clamps and connections. I certify that this engine has been inspected I/A/W a 100 hour inspection and was determined airworthy for return to service this date.

Robert Kimball AIP 002752096

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.)

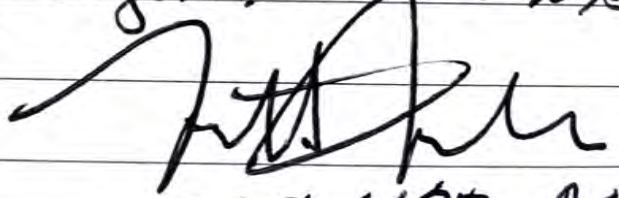
DATE	FLIGHT TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION
9-22-17	181.5		2797.7	100 hr inspection completed this date.
S.M.O.H.	823.4			COMPRESSIONS 1-76/80 2-74/80 3-72/80 4-74/80 5-74/80 6-72/80. CLEANED & Rotated SPARK PLUGS INSTALLED & HAWLED MAGNETO P/N 10-382560-13 S/N 21457 FOR 500 hr INSPECTION. Set TIMING TO 20° BTC. INSPECTED ALL ENGINE CONTROLS FOR PROPER OPERATION. ADJUSTED AIR AIR CABLE. ENGINE FOUND AIRWORTHY & RETURNED TO SERVICE AT THIS TIME Propeller, Spinner Inspected THIS TIME  2605837 AEP
9-22-17	181.5			CHANGED OIL & FILTER. 10 qts Aeroshell
S.M.O.H.	823.4			15W50 CH48103-1 Filter  2605837 AEP

DATE 2018 #	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.)
11-11	254.4 896.3	5 M.O.H.		<p>100 hr inspection Compressions: 1-76/80 2-72/80 3-74/80 5-74/80 6-74/80. cleaned & rotated spark plugs. Replaced Throttle Cable P/N 555-85. Insup. all Engine Mats & Controls for proper operation & good satisfactory engine returned to Service</p> <p><i>[Signature]</i> 2605837 A&P</p>
1-11	254.4 896.3	5 M.O.H.		<p>CHANGED OIL & FILTER. 10 qts Aeroshell 15W50 CH48103-1 FILTER</p> <p><i>[Signature]</i> 2605837 A&P</p>
3-15-18	288.6			<p>Removed Servo & sent for o/haul. Re-installed & Operational checked good. AIRCRAFT RETURNED TO SERVICE</p> <p><i>[Signature]</i> 2605837 A&P.</p>

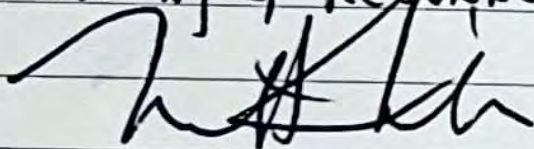
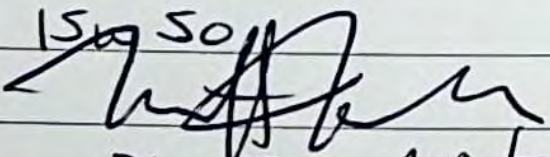
DATE 2018 19	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
5-3-18	295.4			Replaced all SPARK Plugs @ RHM-38E. OPERATIONAL TEST Performed & found Satisfactory. AIRCRAFT Returned to SERVICE  2605837 AFD
2-10-18	389.6 1,031.5	5 M.O.H.		100 hr inspection this date. Compressions: 1-78/80 2-76/80 3-74/80 4-74/80 5-72/80 6-76/80 cleaned & Rotated spark plugs. Inspected exhaust system. Inspected all engine controls for proper ops. found satisfactory. Returned to service A/C REG. # <u>N2122G</u> DATE <u>12-10-18</u> TOTAL A/C TIME <u>0</u> HRS. TACH TIME <u>389.6</u> I CERTIFY THAT THIS A/C HAS BEEN INSPECTED IN ACCORDANCE WITH AN (CIRCLE ONE) ANNUAL/100 HR INSPECTION AND A LIST OF DISCREPANCIES & AIRWORTHY ITEMS DATED _____ HAVE BEEN PROVIDED TO THE A/C OWNER.  SIGNATURE <u>2605837</u> AFD/I.A. CERTIFICATION NO/TYPE

DATE
19
12-10
12-1

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.)
12-10-18	389.6		1,031.5	<p>10 qts Aeroshell WS-50 oil & CH48-103 filter.</p> <p><i>[Signature]</i> 2605837 A&P</p>
12-17-19	446.2		1088.0	<p>100 hr insp. Compression 1-78/80 2-78/80 3-78/80 4-78/80 5-72/80 6-78/80. Cleaned & rotated Spark plugs. insp engine mounts, insp all controls & control cables for proper operation & found satisfactory. Changed oil & filter 10 qts Aeroshell WS50 oil & CH48103-1 filter. Engine returned to Spruce at this time.</p> <p><i>[Signature]</i> 2605837 A&P/I.A.</p>
2017-19	446.2		1088.0	<p>Inspected prop, hub & spinner & found satisfactory at this time.</p> <p><i>[Signature]</i> 2605837 A&P/I.A.</p>

DATE 2021 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.)
Feb 1, 2021	514.3 1156.1 SMOH			<p>100 hr inspection performed 1/A/D full 43 d. Compressions 1- 76/80 2- 78/80 3- 78/80 4- 77/80 5- 79/80 6- 78/80. Cleaned & rotated intake plugs. Installed new mechanical fuel pump P/N 62B26931 S/N 422010057. Servo sent to Boston for inspection & repairs P/N 2524273-12 S/N 70EH7110. Installed overhauled flow divider (spider) P/N 2524232-2 S/N 0112917. Inspected all engine controls for proper operation & found satisfactory. Inspected propeller, blades, prop hub & backing plates & spinner & found airworthy. Engine returned to service at this time.</p> <p style="text-align: right;">  2605857 A&P/I.A </p>

DATE 2021 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.)
	514.3 1156.1	SMOH		<p>Removed MAGNETO & Sent to Eagle Mag Service for inspection. MAG Reinstalled on KEEKHO Engine & timed to 20°. Engine Test Ran & found Satisfactory & Returned to Service</p> <p><i>[Signature]</i> 2605837 A&P/I. A.</p>
8-6-2021	517.6 1159.4	SMOH		<p>Replaced MAGNETO CAPACITORS P/N KA10-400574 Reset MAGNETO TIMING to 20°. Test Ran engine & found Satisfactory. Engine Returned to Service</p> <p><i>[Signature]</i> 2605837 A&P/I. A.</p>

DATE 2022 10	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.)
2-2-22	539.1 1180.9	SMO.H.		100 HV inspection performed this date 'H/W hrs 43d. Compressions 1-74/80 2-76/80 3-74/80 4-74/80 5-74/80 6-74/80. Inspected all engine controls & found satisfactory - Engine found Airworthy & Returned to Service  2605837 AEP/I.A.
2-2-22	539.1			Changed oil & filter. CH 48103-1 Filter & 10 qts Aeroshell 15W50  2605837 AEP/I.A.

DATE

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Savannah Aviation - 54 Hangar Road - Savannah, GA 31406 - (912) 964-1022

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N2122G
HOBBS: 3226.9

Lycoming, IO-540-K1G5D, S/N: L-18829-48A
TACH: 543.0

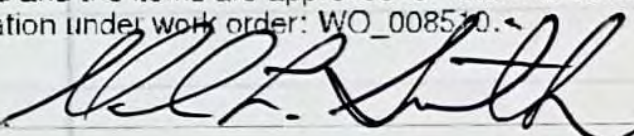
TTSN: 3226.5

May 02, 2022
TSMOH: 1184.8

1. ANNUAL ENGINE INSPECTION Drained engine oil, collected sample, removed oil filter, opened, inspected for metallic debris (none noted), installed new oil filter P/N CH48103-1. Serviced engine with 8 Qts of AeroShell 15w-50. Inspected air filter. Checked engine compression: #1-65, #2-72, #3-67, #4-63, #5-54, and #6-67/80. Checked magneto timing. Cleaned, inspected, gapped and reinstalled spark plugs with new gaskets p/n M674. Visually inspected engine, mounts, intake and exhaust system, plumbing, wiring and cowling. Cleaned, inspected and flushed fuel system from vents through to injectors. Performed ground run up, ops check good, no leaks noted. **I certify this engine has been inspected IAW an Annual Inspection encompassing the scope and detail of 14 CFR Part 43 Appendix D and was found to be in an airworthy condition.** Reviewed Airworthiness Directives 2022-09 Bi-Weekly dated: 04/11/2022 thru 04/24/2022.

All maintenance completed in accordance with applicable sections of the manufacturer's maintenance manual. All operational, rigging and functional checks tested satisfactorily. I certify that the maintenance identified above has been inspected and the items are approved for return to service. Details of work performed are on file with Savannah Aviation under work order: WO_008510.

Mark Smith A&P, IA 2801446



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.)
8/17/22	589.3 /f(,41 "" Ø		3277.7	<p>Drained Oil and replaced with 9 QIs Aeroshell w100 and 14 oz ASL Camguard. Replaced oil filter with tempest AA48103-2. Collected oil sample for analysis. Safety wired oil filter. Engine test run no leaks detected.</p> <p>Ryan Dougherty, Owner, license # '157:J.'TBS</p>
1/11/21	'16. /	1294.7 TSMOH PB	3336.4	<p>Drained oil, replaced w/ 8 qts Aeroshell w100 & 14 oz ASL camguard. Replaced oil filter w/ tempest AA48103-2. Collected oil sample. Safety wired oil filter. Engine test run no leaks.</p> <p>Ryan Dougherty, Owner, 4S79f5</p>

Reg. No. - **N2122G** **MODEL IO-540-K1G5D** **S/N L-18829-48A**

Date - **5/22/2023**

This **Engine** has been inspected in accordance with a **Annual /100 Hour Inspection** using 14 CFR Ch. 43 Appendix D as a checklist and has been determined to be in airworthy condition at this time. For AD compliance, see recurring AD sheets and AD listing.

Tach	89.6
TTSN	3379.9
TSMOH	1338.2

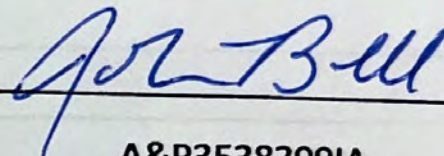
Compressions: #1 76/80, #2 68/80, #3 79/80, #4 76/80, #5 68/80, #6 70/80.

AD 15-19-07 (11/03/15) Inspected the fuel injector fuel lines and clamps between the fuel manifold and fuel injector nozzles as per Para (1)(ii) as applicable.

Serviced engine with 8 qts Aeroshell W100 oil, Camguard oil additive, and AA48103-2 oil filter. Opened and inspected the oil filter cartridge, no contaminants found. Performed magneto timing check and found correctly to be at 20* BTC. Cleaned, inspected, and gaped spark plugs, rotating upper and lower plugs upon installation. Engine run and leak checks good. AD 22-16-03 not applicable per parts installed.

Straight Rudder Aviation, LLC
John Bell A&P, IA

Authorized Signature



A&P3538399IA

