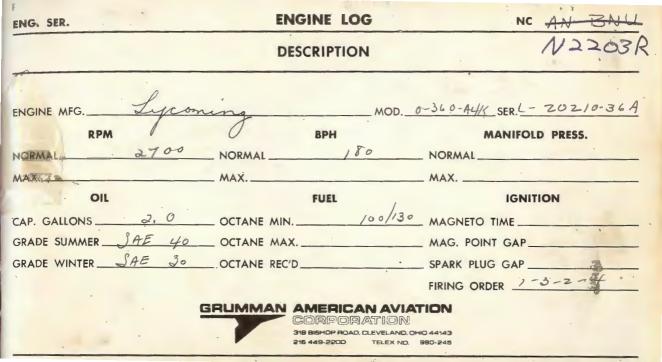
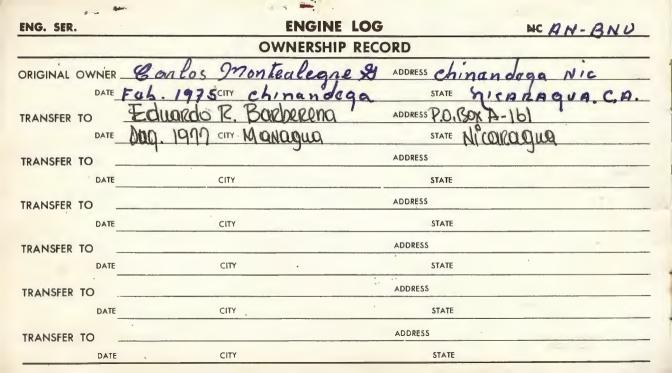
## NN- 13 NU AMERICAN AVIATION GEUMMAN BIS BUT UP ROAD IN PALAND, UND WIGHT the second second of the second second press. ENGINE LOG





ENG. SER.

ANG BNU DATE TACH. THIS TOTAL TIME SIGNATURE AND REMARKS 1975 TIME FLIGHT CERTIFICATE NO. 6-2 Prod Alt. Test 200 Imspeccionado Tach. 25:94 IAJE CHINANDEGA-FORWARD TOTALS TO TOP OF NEXT LEFT PAGE

DATE 19	INSPECTIONS, ADJUSTMENTS, REPLACEMENTS, REPAIRS AND/OR ALTERATIONS EVERY REPAIR AND EVERY INSPECTION MUST BE ENDORSED BY A CERTIFICATED MECHANIC OR REPAIR FACILITY WITH NAME, RATING AND CERTIFICATE NUMBER							
	15 de Agosto 75							
	cheques de 50 honas se hizo campio de							
	cheques de 50 honas se hizo campio de Acaite sin deterjante y se La puso Acaile con deterjante se Limpiaron chisparos y se le hizo revieion Ganerah.							
	con deterjente se Limpinron chisparos							
	4 se la hizo valicion Ganarah.							
	TTAC. 52:20							
	T. M 52:20							
	Acasta PRIMIUN AD # 100. A MORELOST A. 227							

INSPECTIONS, ADJUSTMENTS, REPLACEMENTS, REPAIRS AND/OR ALTERATIONS DATE 1975 EVERY REPAIR AND EVERY INSPECTION MUST BE ENDORSED BY A CERTIFICATED MECHANIC OR REPAIR FACILITY WITH NAME, RATING AND CERTIFICATE NUMBER Se cambio Accite se dreux el sistema se Limpio Fil tro de Dine y se lim Chispanos Tonates abreno de 76 le cambiaron chisperos a la se le Reviso Acei SEE PERTINENT FAR 91.161, 91.163, 91.165, 91.167, 91.189, 91.173, AND 91.175

ENG.	SER.
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A.NE BNU

DATE         TACH.         THIS         TOTAL TIME         REMARKS         SIGNATURE AND CERTIFICATE NO.           21.3.7.115.25         33.3         1/5.25         33.3         1/5.25         34.4         1/2:02         1/5.25           25.7.4.115.25         33.3         1/5.25         34.4         1/2:02         5.26         5.27         1/14.40         4.15         1/940         5.26         5.27         1/14.40         4.15         1/940         5.26         5.27         1/14.40         4.15         1/940         5.26         5.27         1/14.40         4.15         1/940         5.26         5.27         1/14.40         4.15         1/940         5.27         1/14.40         4.15         1/14.40         4.15         1/14.40         4.15         1/14.40         4.15         1/14.40         4.15         1/14.40         4.15         1/14.40         4.15         1/14.40         4.15         1/14.40 </th <th></th> <th></th> <th></th> <th></th> <th>the second se</th> <th></th>					the second se	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	DATE 19 <b>76</b>				REMARKS	
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$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	25-276	11940	4 15	19.40	bote no	to Tue
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	9-3-76	123 00	3-40	123:00	mans heder	inaclo
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	12376	123.80	4:90	123.80	er.	and 1
23-3-76 138-05 3-05 138-05 28-3-4 141-15 3-10 141-15 5-4-26 145-00 3-85 145-00 7-4-76 147:26 2:20 147:20 15-4-76 151-05 3-85 151-05 4° 15-5-60 4-55 155-60 5° FORWARD TOTALS TO	14-3-76	130-10	2:20	130-10	- And	minitiation
<b>3 4 1 1 4 5 00 3 8 5 1 4 5 00</b> <b>7 4 7 6 147 7 2 10 147 7 0</b> <b>15 4 7 6 15 15 5 8 5 15 15 5 6 7</b> <b>15 5 16 15 5 15 5 60 1 1</b>	19-3-76	135=00	4:90	135=00	They have	
<b>3 4 1 1 4 5 00 3 8 5 1 4 5 00</b> <b>7 4 7 6 147 7 2 10 147 7 0</b> <b>15 4 7 6 15 15 5 8 5 15 15 5 6 7</b> <b>15 5 16 15 5 15 5 60 1 1</b>	23-3-76	138-05	3-05	138-05	(Led	18/201926
7-4-76 147:20 220 147:20 25-4-76 151:05 3:83 151:05 4 15-5-26 15:5-60 5° FORWARD TOTALS TO	78.3.4	141-15	3=10	141=15	1.5	Hard Carlos Sol
15-5-26 4:55 155-60 5°	3 YX	145:00	3=85	145:00		Adriso sieren A
15-5-26 4:55 155-60 5°	7.4.76	147:20	2:10	147:20		Then an is a
FORWARD TOTALS TO	15-476	151:05	3:82	151-05		
	15-5-26	155:60	4:55	155=60	50 -	

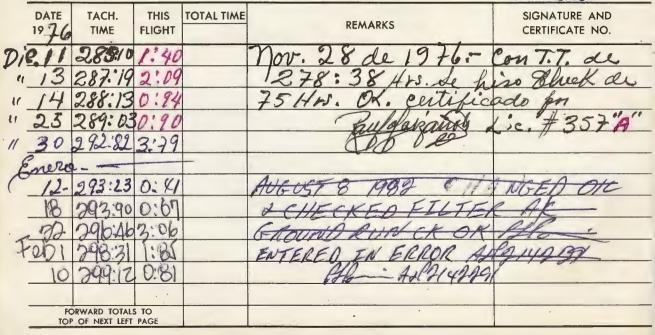
ENGINE LOG At 14th . INSPECTIONS, ADJUSTMENTS, REPLACEMENTS, REPAIRS AND/OR ALTERATIONS DATE EVERY REPAIR AND EVERY INSPECTION MUST BE ENDORSED BY A CERTIFICATED MECHANIC OR REPAIR FACILITY 19 WITH NAME, RATING AND CERTIFICATE NUMBER 14-Juhid 76-Se cambio mag Joguierdoy Hannes de Ign-del mismo -1 monates A 227

ENGINE LOG INSPECTIONS, ADJUSTMENTS, REPLACEMENTS, REPAIRS AND/OR ALTERATIONS DATE EVERY REPAIR AND EVERY INSPECTION MUST BE ENDORSED BY A CERTIFICATED MECHANIC OR REPAIR FACILITY 19 WITH NAME, RATING AND CERTIFICATE NUMBER Oet. 19 de 1.976 con T.T. de 250:86 Hos se his Block de 50 Hos, OX. certificade por paulos

SEE PERTINENT FAR 91.161, 91.163, 91.165, 91.167, 91.169, 91.173, AND 91.175

EN	G.	SE	R.
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A NE BNU



DATE	INSPECTIONS, ADJUSTMENTS, REPLACEMENTS, REPAIRS AND/OR ALTERATIONS
19	EVERY REPAIR AND EVERY INSPECTION MUST BE ENDORSED BY A CERTIFICATED MECHANIC OR REPAIR FACILITY
	WITH NAME, RATING AND CERTIFICATE NUMBER
	Se allogged inspection de 35 horas con una indicación del
	taconucho de 305. Hrs se le compio aceire, se l'impianne los
	Chisperestel kitte de aceite. 18 de Second de 1978
	PEGRO ONDECO - WAT 136
	Managua

DATE 19	INSPECTIONS, ADJUSTMENTS, REPLACEMENTS, REPAIRS AND/OR ALTERATIONS EVERY REPAIR AND EVERY INSPECTION MUST BE ENDORSED BY A CERTIFICATED MECHANIC OR REPAIR FACILITY WITH NAME, RATING AND CERTIFICATE NUMBER									
	AL AVION AN-BAU SE LE HIZO SERVICIO 100. HR TACOMETRO 3/3.85 FECHA 10/2/82	COM		مره المد الم						
	LIMPIESA FILTROS DE ACEITEY GASOLINA	50/70	,75	75						
	8. QTSDEACEITE W-100,	ß	5	6 3						
	AERODINAMICA HARRISON	80/72	80/	instea ann						
	RODOLFO FLORES POGGIO LIC, No. 218 AERONALITICA CIVIL									
	Gastemala, C. A.	6	- La and							
	1-1	En	(Den-							
		Elima i		Alute						
			Feb.	2/82						

ENG. SE	R.				ANG BNU
DATE 1982	TACH. TIME	THIS FLIGHT	TOTAL TIME	REMARKS	SIGNATURE AND CERTIFICATE NO.
30/5	315:00	328.78	13:78	Ferry GUNTEMOLIA TO LAFFAYETTE.	MIMIN ISTI.
6/12 -	328.74	8.05	333.51	PENSACOLO, FLA	
7.3		÷.		in en fr	
7.12		30		local	1
7-16-20	230-98	4/15	343.41	the lass - fla	An
7-20	348.41		344.02	- 1, 11, h	el n
8.10	348.02		350.52	y h 1	'n
y. 2.2	3 5042	14:15	356 15	17 11 h -	1
60.2	35%.	1	360,04	11 AV 14	A <sup>1</sup> ,
0/5-11/21	368.64	~	388 4	M The the ste	Amilia
1/22-1/271	\$ 3 404.5.3	3		Lan	
				V	
	ORWARD TOTAL				

INSPECTIONS, ADJUSTMENTS, REPLACEMENTS, REPAIRS AND/OR ALTERATIONS DATE EVERY REPAIR AND EVERY INSPECTION MUST BE ENDORSED BY A CERTIFICATED MECHANIC OR REPAIR FACILITY 1920 WITH NAME RATING AND CERTIFICATE NUMBER SHANGED OIL & FILTER. SERVICED RIH MAG "P" LEAD. TI. 350. OREPACKEN K GROUND RUN CHECK OK. A 363. +1044542263

ENG. SER.

AN& BNU

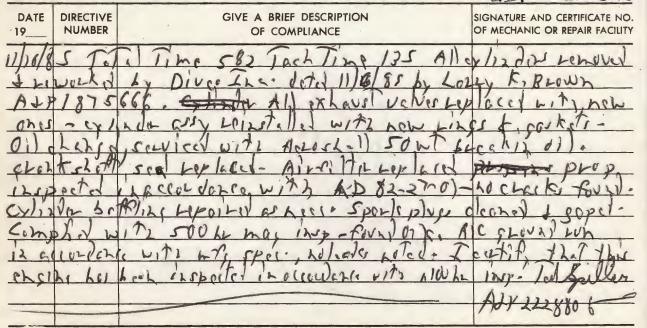
DATE 19	TACH. TIME	THIS FLIGHT	TOTAL TIME	REMARKS	SIGNATURE AND CERTIFICATE NO.
5-17-	83			Tach 411.7	
	to	tal 7	time	girframe engine, and	P prop 411.7 .
	Com	ores	ion c	pecke results:	
	att.	- 74	==2-	80, #3-75, #4-75	- Drained
	oil a	d	check	ed screen, Refilled	with Tats.
	pif 1	teros	hell	so wit: detergent a	pil - Replaced
	911	valut	e cour	er gaskets. Ground	Yan and
	Irak	ch	ecked	1. Found okay fe	br return
	to so	ervic	en A	11 work done in a	cordance.
	with	ma	enu foro	turers specifications	Icertify
	1-hat	this	engin	e has been inspected	I in accordance.
	with o	,00	kr. 112	spection and was a	letermined to
	OF NEXT LEFT		be i	i an airworthy ce	ndition .
			L	with The Ad p 49463	29909

ANE BNU MANDATORY SERVICE BULLETINS ENG. SER. DATE TOTAL GIVE A BRIEF DESCRIPTION SIGNATURE AND CERTIFICATE NO. 1923 TIME OF MECHANIC OR REPAIR FACILITY OF COMPLIANCE 23 92.1-1 Tremo Lestis 0 8 2,35 20

ENG. SER.

**AIRWORTHINESS DIRECTIVES** 

N2202



DATE 19	INSPECTIONS, ADJUSTMENTS, REPLACEMENTS, REPAIRS AND/OR ALTERATIONS EVERY REPAIR AND EVERY INSPECTION MUST BE ENDORSED BY A CERTIFICATED MECHANIC OR REPAIR FACILITY WITH NAME, RATING AND CERTIFICATE NUMBER
	With an ANNUAL inspection and found to be in airworthy Cordition. RM Koll 14 1756578

ENG. SER.	MANDATORY SERVICE BU	JLLETINS ANCBNU
DATE TOTAL 19 10 TIME	GIVE A BRIEF DESCRIPTION OF COMPLIANCE	SIGNATURE AND CERTIFICATE NO. OF MECHANIC OR REPAIR FACILITY
11-7 625:3	comp. cheld - @ 74/80 @	74/80 (3) 72/80 (2) 70/80
I CERTIFY		charge ail and at
NSPECTED IN AU	CORDANCE WITH A annal	Checked ail screen
WORTHY CONDIT	WAS DETERMINED TO BE IN AIR-	und shell 50 unt -
TOTAL TIME	- TACK Reading = 205:3	Det ail - clean and
FRANE Eyen 62	5:3	good spark plugs
WORK ORDER	4937 + 4938	checked may tering
DATE	11-7-86	or despect the
,	A A	Exhaurt Lysten weld
- lus	articles freedy	a small crock where
	uthorized Signature	pananty welded-
CERTIFICATE I	URNET AIR SERVICE, INC. EPAIR STATION NUMBER 222	" contenned with next
	AIRPORT, LAFA VETTE, LA	Pope wehiting J-Sovoy
		A+P1432858

INSPECTIONS, ADJUSTMENTS, REPLACEMENTS, REPAIRS AND/OR ALTERATIONS DATE EVERY REPAIR AND EVERY INSPECTION MUST BE ENDORSED BY A CERTIFICATED MECHANIC OR REPAIR FACILITY 19 86 WITH NAME, RATING AND CERTIFICATE NUMBER 7-11-86 20513 TT = \$ 25:3\_" continue from TACH = · SAVON AND 1452858 - drane nour and cart eneral area I la creach and Ye Apret 84-26-02 Chan Rear of the Brok AD - My Chechres

SEE PERTINENT FAR 91.161, 91.163, 91.165, 91.167, 91.169, 91.173, AND 91.175

ENG. SER	R				NC AN. BNU
DATE 19.87	TACH. TIME	THIS FLIGHT	TOTAL TIME	REMARKS	SIGNATURE AND CERTIFICATE NO.
1-23-8	7 7	ach	= 30	5.8 Installed m	ew
		se	£ (8)	of REM 38-E spe	up plugs
				APP-4963	85322
		-			
				· · · · · · · · · · · · · · · · · · ·	
		-			
	RWARD TOTALS				

INSPECTIONS, ADJUSTMENTS, REPLACEMENTS, REPAIRS AND/OR ALTERATIONS DATE 198 EVERY REPAIR AND EVERY INSPECTION MUST BE ENDORSED BY A CERTIFICATED MECHANIC OR REPAIR FACILITY WITH NAME, RATING AND CERTIFICATE NUMBER 25/00 TACK TIME 313,9 TOTAL lime 而畏 COMPRESSION ASE FOLLOWS WIDO oil. Changed oil And checked Screen Used Jats AGROSHELL Clemes and gapped phigs, checken mays inspected exhupt system. C/W MD NOTE 84-26-02, drain fuel sumo. INTAKE SUSTEM Changer All Four eacher box cover gaskets, Ground FUN OKAY AND LAKEN CHECKED PAGE SEE PERTINENT FAR 91.161, 91.163, 91.165, 91.167, 91.169, 91.173, AND 91.175

NC AN-BNU ENG. SER. DATE TACH. THIS TOTAL TIME SIGNATURE AND REMARKS 19 TIME FLIGHT CERTIFICATE NO. CONTINUES 2/2/00 this Engine was inspected in Accordance CENTITU 100 hour inspection AND is ApprovED For with A return to SERVICE this NATE William Ata A+P 434399476 8-11-58 TACH READS 361:3 REPLACED AIR INDUCTION DELECT AIR FILTER ELEMENT, REPLACE BAFFLE SEAL ON # 4 CYL BAFFLE ground RUN checks ok Koles ABunci Ap145796 PRIT FORWARD TOTALS TO TOP OF NEXT LEFT PAGE

well AA-5B Engue AD nates 12203R- 5/20071-DATE MEMORANDA ADNOLE time RET Dead Time Complique method + Signalin DAte SMOH. OIL Pump fortune - NIA to this engene Sime - arhitrary J. Sorry 1452858 10-31-86 25-08-09 25.3 625:3 Engine mount AttAch. Balts engen 10-31-86 79-10.03 205.3 62513 mount BRAckets, N/A by engend Server WO. achitary J. Sovery 145 + 858 ? 12 11 11 41. -N/A By engene Micheldash Winter 10.31-86 79-15-02 205:3 675.3 Hydractic lifter ail Contaning Stary 1031-86 80- DU.0341 205.3 125.3 Exhaut Value spring seat NIA by AP 10-31-86 80-14.07 205:3 625:3 ensure model NO, infutney J. Savoy 145335 10-31-86 81-18-04 OIL Pump faileure due at 2, out the -X 205.3 625:3 ----hs Engine TOTAL Time or engine charge which ever is fear whitney s sandy X At0 114.52 237 11 11 11 To Prevent Propeller failure - dire 10-31-86 82.27.01 X 205:3 625.3 at 200 his Intersky - Not due this time it was accomplished at X 11 11 41 Next at tatal time of 283 he be X 11 White ey J. Son of A+P1452850 X 11 11 11 11 Inspect filter R Starty 434399476 X 2-25-86 84-26-02 313,9 733,9



### ENGINE MAINTENANCE RECORD Book 2

AIRCRAFT SERIAL AND REGISTRATION DO71 N2203R ENGINE MODEL AND SERIAL Lycoming 0-360- A4K, L-20210-36A

D5518-13

# INSTRUCTIONS This record should be completed and maintained in accordance with FAA Federal Aviation Regulations 43.9, 43.11 and 91.173 and/or other prevailing government regulations. NOTE: Record Service Letters and Airworthiness Directives in the back of this record as well as the Airframe Maintenance Record. Copyright © 1984 MAINTENANCE RECORD

DATE	TOTAL T		DESCRIPTION OF THE WO	RK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE
19. 89	HOURS	10ths	aircraft TAch= 398.8 hr.	9	& NUMBER
3/17/39	818	18	Total time Engue - 818.8 h	Charged at und shul Remard ail seven enge	ted for metal Comp chicket
INSP	CCORDA		THIS ENGINE HAS BEEN INSPECTED WITH A look. WAS DETERMINED TO BE IN AIR- N. TAck 398.8 m.	@ 74/80 @ 74/80 (3 75/80 @ : all sport pluge Replaced + impulse complete an 44	Rylack
TOTA	L TIME			all spart plung lead agone	a-mag
			8 the	tenning child at, ingut System For Sech Home	found -
	K ORDE	R	7475 + 7476	inget the intak Syste	
DATE		a	3-17-89 hetny J. Savay uthorized Signature	maint taking found o Box ok p Adjust C	14 Carbai
to all	पमा	UL FO CATE	URNET AIR SERVICE, INC. REPAIR STATION NUMBER 2225 AIRPORT, LAFAYETTE, LA.	Control Value angere a fielter oly all engere a continued with Neil	hitigh ok
+				achitrey J. Son of Att	1452858

1			MAINTENANCE RECORD	
DATE	TOTAL T		Tobol tim Prop- SIS. 8 h DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE
19_07	HOURS	10ths	arcieft TAch= 398:8 h " continued from the Pres	man porte
3/2	818	8	Total time my SIS. 8. M. Whitney T. Savery	ATRO 1452868
189			Ingest the firel and ail lives ok - engene accurance angestion. Augest and Dress proper cleaned find.	a ole by
			prevall 24 Site, checked final suppor angene Buffin and	e cerniliz de
			The ly coming Server anduretion # 1435 - as divited - Proce Possible Value Stiching - abo 1/2, Lycoming 5/3 + 388A - to	D. Fleamen Q
			Expand Value condition and Twas directed. Installed Phil	- h3/63
			impline coupling on 44 mor, New Part. Note: Carhun	tor was
			sent to Fife Hetcher Avisontin At 8904 RANda	loh Sheet 7
	_		Hauston ToxAS, 77061, Phine # 713-649-8700 For Re Cleaning - by annun of Acc. Carl was Deinstelled on b	here and
			Cleaning - by anne of Acc, Carb was Deinstalled on a	- 24-88 -
			for kustas purpare. P thave helper to the ke	and Engine
			log Book 41 and this log For the AD notes Sho conglise	we and
			Comphance Deval End	

MAINTENANCE RECORD

TOTAL TIME DATE AUTHORIZED SIGNATURE, CERTIFICATE TYPE DESCRIPTION OF THE WORK PERFORMED 19 89 & NUMBER HOURS 10ths averalt TACK 463 61 Total time engene = 823: 50 823 5 Remard care from the engene and shyper to "AIR CROTT ACCESSORIES & OKLAHOMA TOW For complete Apan as Weede d. See AT TAched. Yellow The And - PAnts moorei Dated. 6-14-82. Re-installief the cap in the engine leaked chulue. ah Adjust 126 Stop And Loke Mixing. Cia churchel page and the experted 20 Re-inspectiel for bala word ak-Fix the allowings . the Applancement of the class alis A Bruchen Inc AD Note Com mechande product, adams # 87-06-07hihitney J- Sonry 145785P

			MAINTENANCE RECORD	
ATE	TOTAL T IN SERV		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
29	HOURS	10ths		1
-	7n 4 7 438.0	VME	SEPT 21, 1989 INSTALLED NEW SCICK MAGS AN IGNITED & HARNESS, NEW REM 38 E PLUGS RIGHT MAG MODEL 4270 S/N 89080350	1 · · ·
			LEFT MAG MODEL 4271 5/N 89040103 Am J. Jogen X+P 457624950	
				3
-				9

#### MAINTENANCE RECORD

DATE	TOTAL T IN SERV HOURS		DESCRIPTION OF THE WORK PERFORMED TACH TIME 521.5 TOTALTIME 968.5	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	APR	IL Z	8,1990 - DRAINED OIL CLEANED SCREEN. REFILLED AEROSHELL SO. CLEANED AND REGAPPED PLUGS. WELDED STACK. INSPECTED HEAT SHROUD AND MUFFLER. INSTALL	# 2 EXHAUST
			EXHAUST GASKETS. INSTALLED NEW CAPACITOR ON ALTER. LIST OF AD NOTES IN BACK OF AIRFRAME LOG) DIFFERENTIAL COMPRESSION TEST AS FOLLOWS: # 1-761	
			*3-74/BO *4-79/BO I CERTIFY THAT THIS ENGIN. INSPECTED IN ACCORDANCE WITH A 100 HR INSPECTION. TO BE AIRWORTHY Arr Fid region A+P 45762495	and was found
			a coordance with the instruments of the second and	on and
- the	1		Intel Time (1 17 1340401	Mar - a

/			MAINTENANCE RECORD	
	TOTAL T IN SERV	VICE	I certify that this aircraft ENGRESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
-	HOURS	10ths	has been inspected in accordance with a Annual inspection, and was	
			determined to be in Airworthy Condition.	
			Tach 525.6 AcP Billy W. Knight IA 2050043 A&B	
·				
+				
				0
			MAINTENANCE RECORD	
	TOTAL IN SEI HOURS	TIME RVICE	* DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATUR CERTIFICATE TYPE & NUMBER
E	IN SE	RVICE	DESCRIPTION OF THE WORK PERFORMED uly 29, 1992 Tach 525.6 rained oil, filled with Aeroshell 15-50. Checked il screen no metal found. Cleaned and gapped spark blugs. Checked mag timing. Replaced valve cover gasket on cyls. 1,2,3. Inspected Engine per Gruman AA5B Shop lanual. Removed carb., sent carb. to Aircraft Access- pries of Oklahoma. See yellow tag WO# L01663. Rein- stalled and rigged carb., with new gaskets. Washed own eng. and ground ran, no leaks. Ops check normal.	CERTIFICATE TYPE & NUMBER
	IN SE	RVICE	DESCRIPTION OF THE WORK PERFORMED Tuly 29, 1992 Tach 525.6 Drained oil, filled with Aeroshell 15-50. Checked il screen no metal found. Cleaned and gapped spark Dugs. Checked mag timing. Replaced valve cover gasket on cyls. 1,2,3. Inspected Engine per Gruman AA5B Shop Janual. Removed carb., sent carb. to Aircraft Access- ories of Oklahoma. See yellow tag WO# L01663. Rein- talled and rigged carb., with new gaskets. Washed	CERTIFICATE TYPE & NUMBER
	IN SE	RVICE	DESCRIPTION OF THE WORK PERFORMED uly 29, 1992 Tach 525.6 rained oil, filled with Aeroshell 15-50. Checked il screen no metal found. Cleaned and gapped spark blugs. Checked mag timing. Replaced valve cover gasket on cyls. 1,2,3. Inspected Engine per Gruman AA5B Shop lanual. Removed carb., sent carb. to Aircraft Access- pries of Oklahoma. See yellow tag WO# L01663. Rein- stalled and rigged carb., with new gaskets. Washed own eng. and ground ran, no leaks. Ops check normal.	& NUMBER

	3		MAINTENANCE RECORD	
1993	TOTAL T IN SERV	/ICE	DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
June 20	HOURS		Notice discreponcy in took from last two Annuls as reading the SAME. Owner EST, about 46 hrs since April 28,19 Fustoll NEW Baffle & Baffling motorial This dete	20
1993 Juno 95	565	No. of Concession, Name	EST. TIME TO DE Tach Shudd Lead 565.6 No-K Clark ATP 309385543 Fustallad Nea Better Gulf SIN GO1499065 No-K Clark 309385543	
	Then. 3 Form Tim. 1032	7	REMOVED ALL CYLINDERS AND SENT TO SENTRY A/RE. BYLINDERS INC WHELE THE BYLIDERS WORE REPARCE AND "NLI" CHROMED. REASSONBLED ENGINE USWE THE FOLLOWING NEW PARTS SL 75089 PISTONS, SL 5401S RING SETS, SL 12032-SE GASKOT SOTS, SL 13790 ROLLOR SH ALW 12892 ROCKET BUTTONS, MS 13997-3 & GOOOG VALVE REPERS, MS 13998-3 VALVE CAP, SL 13444-1 PIST PIN AND STD 1821 HOSES DRAINED OIL, CHEEKED	e HTS N

MAINTENIANOE DECODD

			· · · · · · · · · · · · · · · · · · ·		
DATE	TOTAL T IN SERV			DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
19	HOURS	10ths			& NOWIDER
			COOLOR AND SO AUROSHOLL 4DU	CNGTO TIMING, FLUSHED OIL RUICOD ENGINE WITH 8 OTS MINERAL OIL. WASHED ENGINE, OLEANS. INSTALLED BRACKETT	
			ATR FILTER SEE THIS POWOR PLAN WITH AN ANNUA	FORM 337 THIS DATE. I COUNTY THAS DOOD INSPECTOD IN ACCORDANCE INSPECTION AND WAS DETERMINED WORTHY CONDITION. Stelle Stor	let le
				ATT 2149566	A.
June 17	ma	9	5104 26.4	Chan all Snow Course and Jones	1400 - THO
1.1.					

1.			MAINTENANCE RECORD	
JATE	TOTAL 1 IN SERV		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE
96	HOURS	10ths		& NUMBER
Juro 17	1046	,0	Clean & Gop Moss - Ct. Tim STOH 26.4 Clean Oil Sciens. Change Oil Aaro	Shall 100
			I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED	
996			Non K Clare IA 309385583	
			TIT 1071.5 STOH 38.9 Cleve & Gen Pluss,	or Timing + Sot
×1 14	1071.	5	Clear Screen, Change oil Acroshed 100 w	Comptos 100 1 2 3 4
		*	I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY, CONDITION. Now K Clark TA 30938559	76 77 28 26

#### MAINTENANCE RECORD

DATE	TOTAL IN SER	TIME	· · · · · · · · · · · · · · · · · · ·	
98	HOURS	10ths	DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
FON	Tach		T.T. 1080 STOH 47.4 .	
4	620.	0	Clean + Gop Plugs - CK Timing - Fustallod 75905 Roal Gaskets on Value Cours Comprossion	
		-	I CERTIFY THAT THIS <u>ENGINE</u> HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED	
			Jan 4 1998 Nem K. Clare IA 309385543	Don K. Clark 309385543
3 197 199	Tach 631 1891	7	North Participant	In III Hanste
1			AND WAS BELLE TO BE IN ALRWORTHY CONDITION	Allares INCREATION

MAINTEN	ANCE	RECORD
MININE LIN	AILOL	neoond

DATE Sas	TOTAL T IN SERV		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
-	nouna	TUUIS		
508C 2000	Than 6		Removed conducation for overhoud, INSTALLED OUH CARH HAG SEEYEIDD TAG. GROMPRUM ILAK-CHEEK and Idle speechmixture Adjuste MELM Tomber AND 44 28 20763 40 3530 GelEnwedd gappeel Spapk pluss (Replaced 2 with New Remote) Replaced	
	Tanla /	win	L/H MAG (Slick 4871) with SErviceAble MAGNETO Y HRSSN (SN00030 fining. Grand Run ORinutal At P462820763	(49) Adjustning
	/ ofcorre	740	He he Can allow BRANTER ALPHA2820763	eru:
	TT LIO	1.0	Timing. Grander Run Orn nuce alle The received	
	10	STAL		
	- 41	2101	D = 1 $d$	1 1 00 10 -
6	lach		Removed cowl, inspected engine Differential compression cythe to	Mary I they
Mars	642	00	cyl # 2= Dro, cyl #3= Do, cyl # += Do, inspected exhaust and intake	1.0 .
			Removed cowl, Inspected engine. Differential compression Cyth="" cyl # 2 = 3%, cyl #3 = 3%, cyl #4= 7%, Inspected exhaust and intake system, Checked all AD notes for compliance. Engine is in an	A\$P1821637
01	1102.	OTT	airworthy condition.	
			DATE 5-6-01 TOTAL TIME 1/02 HOURS	
			I CERTIFY THAT THIS TO THE HAS BEEN INSPECTED	
				A
			AND WAS DETERMINED '9 BE IN AIRWORTHY CONDITION TO	
	,		- BURGE UT LA NO. 428587702	
			all the set that has a stration on	

MAINTENANCE RECORD

				4
DATE	TOTAL IN SER		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE,
	HOURS	10ths	and a star for the star and the start the start	CERTIFICATE TYPE & NUMBER
7/25/01	642	03	Removed accessory case and replace oil pump gears to comply with AD96-09-01. Reinstalled accessory case and accessories using new garkets.	Hay L Phillip A&P1821637
18	e 11 1	DO	Removed coul. Inspected engine. Differential compression	11 1 0000
oct oz	646	80	Removed cowl. Inspected engine. Differential compression cyl#1=3%, cyl#2=3%, cyl #3=7%, cyl#4=3%, inspected exhaust and intake system Checked AD noter the september oz	Mythey
- 2	1106	.8TT	for compliance. Engine is in an airhorthy condition.	A\$P1821637
			DATE 10-18.02 TOTAL TIME 1106 HOURS	
			I CERTIFY THAT THIS FITTING HAS BEEN INSPECTED	
			AND WAS DETERMINED ") BE IN AIRWORTHY CONDITION.	
			11.4 Adde Aug	

,			MAINTENANCE RECORD	
E	TOTAL IN SER HOURS	VICE	DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATUR CERTIFICATE TYPE & NUMBER
3-0		Perfor Perfor spark Muffl Reins aeosh that th be in	Barrett Aircraft Maintenance, Inc.         4855 Sabre Lane Denton, Texas 76207 (940) 383-9700         N2203R       TACH: 649.8       ACTT:       Date: 12-30         rmed 100 hour inspection per Grumman AA5B maintenance manual and inspection guide.       med compression test. #1 71/80 #2 73/80 #3 74/80 #4 72/80. Cleaned, gapped and reinstalled         plugs. Removed exhaust. Installed overhauled muffler assembly with new clamps and gaskets.         er overhauled by Dawley Aircraft Exhaust Systems. Removed LH magneto and inspected point         talled and timed both magneto's. Performed oil change. Cleaned screen. Serviced with 8 qts         ell 80W40 oil. Washed engine. Performed ground run and leak check. No leaks found. I certinate         is engine has been inspected in accordance with a 100 hour inspection and has been determine         an airworthy condition.         Homas B. Barrett         A&P 462497446IA         697.1       CHANGED OIL AND INSPECTED SCREET AS PER PRE-         INSPARCTON, Noted LARGE Amount of FIFS. METAL IN SCREET         INSPARCTON, Noted LARGE Amount of FIFS. METAL IN SCREET         Stanucter with. AFENDS HEAR POOL, LEAK effect Good. mil         OW FILLE. Aff. MARINE CIT MARTHER	Marine City Aviatio 7115 Makine City Ai Marine City, MI 48
			- Court South	N TREEVISION
	TOTAL T IN SERV	TIME	MAINTENANCE RECORD	
L	TOTAL T IN SERV HOURS	TIME /ICE 10ths	MAINTENANCE RECORD	AUTHORIZED SIGNATUR CERTIFICATE TYPE & NUMBER

·	1		ANCE RECORD		
TOTAL TIME IN SERVICE	DESCRIPTION OF THE WORK PERFORMED				AUTHORIZED SIGNATURE CERTIFICATE TYPE & NUMBER
Lycom 11/17/2	0	0-360-A4K Tach: 702	SER# L-20210-36A SMOH 000		
date, so checke 95-07- Compl engine	ee previous en d good(78/80) 01, 96-09-100 iance Record.	try for details. Ran a com c. Complied with the follo c, 97-15-11, 2004-10-14C. Test ran engine all system ected in accordance with a	tis engine. The engine was over pression check on all cylinders wing AD's: 75-08-09R3, 92-1 For acomplete list of AD's se ns checked normal. I certify the an annual inspection and was de	s, they all 2-05, ee nat this	
4					
-		*	•		
arran Migati satist		MAINTEN			
inpadi settar ISING TOTAL TIME attwint IN SERVICE anany IN SERVICE		DESCRIPTION OF TH	E WORK PERFORMED		AUTHORIZED SIGNATURE CERTIFICATE TYPE & NUMBER
and alist NCL othe sart any not it sart any not it HOURS 10ths	t Chang with T with T off 1)74/80	DESCRIPTION OF TH ED 011. INSPECTED OTS 100 Mineral AE 3) 78/80 3)78/80 4)	E WORK PERFORMED + CleANED OIL SCREEN So rashelloil. Compression C 7/80. CLEAN + GAPDED SF	Evicep heck heck	CERTIFICATE TYPE
Input And And And And And And And And And And	Plugs. New Slid Left +1	DESCRIPTION OF TH ED OIL. INSPECTED OTS 100 Mineral AE 3) 78/80 3)78/80 4) Removed + Replaced K MAGNETO Model Right MAGNETO TO	E WORK PERFORMED + CleANED OIL SCREEN So rashelloil. Compression C 7%0. CleAN + GAPPEDSF Left MAGNETO, INSTALL 4371 SNO5081480, TA Engine AT 25° Degress	ed ime	CERTIFICATE TYPE
noti attir NCL NCL TOTAL TIME IN SERVICE arry 185 23,5 FACT 23,5 FTS More 185 185 185 185 185 185 185 185	Plugs. New Slid Left +	DESCRIPTION OF TH ED OIL. INSPECTED OTS 100 Mineral AE 3) 78/80 3)78/80 4) Removed + Replaced K MAGNETO Model Right MAGNETO TO D + RODIACED Alto	E WORK PERFORMED + Cleaned Oil Screen Sa rashelloil. Compression C 7%0. Clean + Gapped SF Left MAGNETO, Installe 4371 Shu 05081480. The Engine AT 25° Degress mator Bracket P/N 05-24 I certify that bected in Accordance L (FAR PART 43 Append in Air won-thy Condition	ed ime sith	CERTIFICATE TYPE
Ingradi Ingradi Ingradi Ingradi Ingradianta Ingradianta Ingradi Ingradianta Ingradianta In	Plugs. New Slid Left +	DESCRIPTION OF TH ED OIL. INSPECTED OTS 100 Mineral AE 3) 78/80 3)78/80 4) Removed + Replaced K MAGNETO Model Right MAGNETO TO D + RODIACED Alto	E WORK PERFORMED + CleANED OIL SCREEN So rashelloil. Compression C 7/80. CLEAN + GAPPEDSF Left MAGNETO, INSTALL 4371 SNO5081480, TH Engine AT 25° Degress Ington Bracket PIN	ed ime sith	CERTIFICATE TYPE
and Alfer TOTAL TIME IN SERVICE any TOTAL TIME IN SERVICE AND TOTAL TIME IN SERVICE IN SERVI	Plugs. New Slid Left +	DESCRIPTION OF TH ED OIL. INSPECTED OTS 100 Mineral AE 3) 78/80 3)78/80 4) Removed + Replaced K MAGNETO Model Right MAGNETO TO D + RODIACED Alto	E WORK PERFORMED + Cleaned Oil Screen Sa rashelloil. Compression C 7%0. Clean + Gapped SF Left MAGNETO, Installe 4371 Shu 05081480. The Engine AT 25° Degress mator Bracket P/N 05-24 I certify that bected in Accordance L (FAR PART 43 Append in Air won-thy Condition	ed ime sith	CERTIFICATE TYPE

1			MAINTENANCE RECORD	
re Gb	IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS 150.	10ths	TIME SEREEN. SCRUICED WITH. 7 OTS 15W-50 Aeroshell FIME SEREEN. SCRUICED WITH. 7 OTS 15W-50 Aeroshell Gil WASHED DOWN ENGINE Ground RUN Checked FOR TEAKS CHECKED OIL. PMald Brack Shipp	
			FOR TEAKS CHECKED OK. Dimald Brack Shism Att 277762751	4
1	·		Corbi <u>AIRCRAFT SALES, INC</u> Personal Aircraft Personal service.	
	d.	Date Ins check Engir Repla 666 o Gap a		
3		BA20	In cooler. Repared for all called and timed both mags to engine. Installed new air filter element P/N and distributor, reinstalled and timed both mags to engine. Installed new air filter element P/N b. Engine ran leak and operationally checked OK. This Engine has been inspected in accordance with an annual inspection and is found to be the worthy condition. Robert Grant A/P& IA 297687575	
×			MAINTENANCE RECORD	
ATE		TIME RVICE 10ths	DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	F	= el	arvary 19, 2008 Tack 799.90	
			All Suture logbook entries So.	l
			in log book #3.	
 *				
			John Sjandera AJP 2100539 IA	



ASA-SE-2

# ingine Record General Information

Serial L- 20210-36 A	Model 0360 - A4K
Serial L- 20210-36 A	Type Certificate
This engine is currently installed in aircraft:	N2203R
	le Summer 100 in Winter 65 k
Magneto Time 25° BTC Point Se	stting . 010 Firing Order 1-3 - 2 - 4
Spark Plug Gap	
Manufacturer's Recommended Overhaul at _2 c	20 O hours

YEAR DATE	RECORDING TACH TIME	TODAY'S Flight	TOTAL TIME IN Service	<b>Description of Inspections, Tests, Repairs and Alteratio</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. ( <i>See</i> back pages for other specific entries	of
	Drained quarts of 78/80. I Installed Aeroted alternat around rod end details Cylinde see listi in accor conditio John Si	ion to a l oil, cle of 15W5 Replace d overh ch of Lo or belt. perimet bearing this date ers are in ng for s rdance v on and i	normal 10 aned screet 0 oil. Com d crankshat auled unit I uisville Inc Adjusted b er of the er g. Installed e. A.D. 07-( nstalled. Al pecific deta with an ann s fit for fur	Total Time: 1246.90 Tach Time: 799.90 SMOH: 97.9 0 hour inspection the following was accomplished: n, cut open and no contaminants found. Added 7 pression results: #1 77/80, #2 78/80, #3 78/80, #4 ft seal. Removed and replaced defective alternator. P/N DOFF10300J S/N D103438. Unit overhauled by c. (W.O. 88861 dated 11-06-2007). Installed with new elt tension and saftied. Replaced baffle seal material agine with fiber reinforced sealant. Replaced throttle 4 point EGT/CHT system. See airframe logbook for 04-19 R1 found not applicable as no Superior II A.D.'s checked through T-Data Revision 2008-02; ails. I do hereby certify this engine has been inspected ual inspection and has been found to be in airworthy ther service.	· · ·
			l		

YEAR	RECORDING TACH	TODAY'S Flight	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Altera Entries must be endorsed with Name, Rating and Certificate Numb	er of
DATE	TIME		<b>JENAICE</b>	Technician or Repair Facility. (See back pages for other specific er	itries.)
	– March 2	3, 2009	N2	203R Tach Time: 838.4 Total Time: 1285.4 SMOH: 136.4	
	In additi	on to a	normal 100	hour inspection the following was accomplished:	
	Drained	oil, clea	aned screen	and no contaminants found. Added 7 quarts	
				pression results: # 1 76/80, #2 78/80, #3 77/80, #4	
			· · ·	s, gapped and installed with new gaskets. Replaced	
				. Adjusted alternator belt tension. Repaired broken	
				ng new terminal end on #4 cylinder. Adjusted timing stalled a Tanis 100 preheater system S/N#42669.	_
				nent bolts on intake pipe attach point and pad on oil	·
				d not applicable as no ECI cylinders were installed.	
	-	,		T-Data Revision 2009-06; see listing for specific	
				this engine has been inspected in accordance with an	
		*	on and has l	been found to be in airworthy condition and is fit for	
	further s				
	— John Sja	ardema			

John Gjaculena A&P 2100539 IA

	RECORDING TACH	'TODAY'S Flight	TOTAL TIME IN	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of
DATE	TIME		SERVICE	Technician or Repair Facility. (See back pages for other specific entries.)
	M	arch 15,	2010	N2203R Tach Time: 857.70 Total Time: 1304.00 SMOH: 155.0
	Dr Ac 77 cy co co co A dc ar fu	rained of eroshell 7/80. Cle flinder # onnection onnectors Il A.D.'s	il, cleaned 15W50 of eaned spar 4 top spar ns and red s. A.D. 09 s checked certify th spection at	mal 100 hour inspection the following was accomplished: d screen; no contaminants found . Added 7 quarts of oil. Compression results: #1 78/80, #2 77/80, #3 78/80, #4 rk plugs, gapped and installed with new gaskets. Replaced rk plug with good used plug. Removed all CHT & EGT did them with knife connectors soldering the wires to the 9-26-12 not applicable as no ECI cylinders were installed. I through T-Data Revision 2010-05; see listing for details. I hat this engine has been inspected in accordance with an and has been found to be in airworthy condition and is fit for
	D D	erek I d	le Jong	

YEAR DATE	RECORDING TACH TIME	TODAY'S Flight	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alteration</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. ( <i>See</i> back pages for other specific entries	of
	In oil Co ga (So ada sec aco and De	addition , cleaned ompression pped and ee airfran apter ont e listing to cordance	d screen; no on results: # d installed w me logbook to front left b for specific with an ann or further ser Jong	SMOH: 177.2 100 hour inspection the following was accomplished: Drained contaminants found. Added 7 quarts of Aeroshell 15W50 oil. 177/80, #2 77/80, #3 77/80, #4 77/80. Cleaned spark plugs, with new gaskets. Removed, repaired and reinstalled airbox. this date for more details). Re-glued air mixture blast tube baffle. All A.D.'s checked through T-Data Revision 2011-05; details. I do hereby certify this engine has been inspected in mual inspection and has been found to be in airworthy condition	-

YEAR	RECORDING TACH TIME	TODAY'S Flight	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE	Ap 13: In Dr 15 the inc ga: spo an for	52.60 S addition ained oi W-50 oi e followi duction a skets. A ecific de annual	12 N220 MOH: 203 to a norm l; cleaned s ing results: air filter ele All A.D.s cl etails. I do inspection service.	

YEAR	RECORDING TACH TIME	TODAY'S Flight	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. ( <i>See</i> back pages for other specific entries.)
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 June 1, 2013
 N2203R
 W.O. 13-034
 Tach Time: 921.00 Total Time:

 1368.00
 SMOH: 219.00

In addition to a normal 100 hour inspection the following was accomplished : Drained oil, changed filter, cut open and no contaminants were found. Added 7 Qts Aeroshell 15W-50 oil. Compression taken with a .040 orifice sized compression tester with the following results: #1 77/80, #2 77/80, #3 77/80, #4 78/80. Changed out air filter element. Cleaned spark plugs, gapped and installed with new gaskets. AD 12-19-01 found to not be applicable as no crankshaft with that Part Number installed as per A.D. Criteria. All A.D.s checked through T-data Revision 2013-09; see listings for details. I do hereby certify this engine has been inspected in accordance with an annual inspection and has been found to be in airworthy condition and is fit for further

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service.

Jaudena

John Sjaardema

A&P 2100539 IA

YEAR	RECORDING TACH	TODAY'S Flight	TOTAL TIME IN	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of
DATE	TIME		SERVICE	Technician or Repair Facility. (See back pages for other specific entries.)
	Ju	ne 25, 20	14 M	N2203R W.O. 14-072 Tach / Total Time: 1384.40 SMOH:
	23	4.40		
				al 100 hour inspection the following was accomplished :
	Co	mpressio	on was take	en with a .040 orifice sized compression tester with the
	fo	llowing re	esults: #1 7	7/80, #2 76/80, #3 75/80, #4 75/80. Cleaned spark plugs,
	ga	pped and	l installed v	with new gaskets. Replaced induction air filter element. All
	- A.I	D.s check	ed through	T-Data Revision 2014-12; see listings for details. I do hereby
	ce	rtify that	this engine	e has been inspected in accordance with an annual inspection
				be in airworthy condition and is fit for further service.
				$I \rho \rho' \rho$
		hn Sjaard	//	ah yeardia
	A8	&P 21005	39 IA	
		T		
			7	
	Nove	mbe	r 3, 6	2014 Tach Time 1395.00
	Drain	red	oil fr	om engine. Added 7 gts
	Erra	EL	te- 20	om engine. Added 7 ots w 50 oil. Test run; no leaks.
	EAADI	9		
	EAAD	P	aul A	14-AA 2171434

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## June 11, 2015 N2203R W.O. 15-081 Tach / Total Time: 1400.00 SMOH: 251.00

In addition to a normal 100 hour inspection the following was accomplished: Drained oil, cleaned screen; no contaminants were detected. Added 7 Qts. Exxon Elite 20W-50 oil. Compression taken with a .040 orifice sized compression tester with the following results: #1 77/80, #2 76/80, #3 76/80, #4 76/80. Cleaned spark plugs, gapped and installed with new gaskets. Replaced induction air filter element. Lubricated carb heat and mixture control assembly as needed. Removed and replaced exhaust riser on #3 cylinder. A.D. 15-02-07 found to not be applicable due to Model Number of engine. All A.D.s checked through T-Data Revision 2015-11; see listings for specific details. I do hereby certify this engine has been inspected in accordance with an annual inspection and has been found to be in airworthy condition and is fit for further service.

John Sjaardema A&P 2100539 IA

YEAR

Joh Gaardena

December 8 2015 Removed old battery. Installed new battery (Gill Model 5 7000 series Serial number G \$2965959).

YEAR

DATE

#### Tach / Total Time: 1418.32 SMOH: 269.32 July 8, 2016 N2203R W.O. 16-085

In addition to a normal 100 hour inspection the following was accomplished: Drained oil, changed filter. Cut open and no contaminants were detected. Added 7 Qts. Aeroshell 100 Mineral oil. Compression taken with .040 orifice sized compression tester with the following results: #1 75/80, #2 76/80, #3 75/80, #4 74/80. Upon inspection found #2 cylinder had crack inside cooling fins of exhaust port. Removed cylinder. Installed new Lycoming Cylinder Assembly Kit P/N 05K21104. Serial Number is 29415S02 15KGT. Replaced #4 Intake gasket. Removed both magnetos for 500 hour inspection. Adjusted internal "E" gap and point setting. Reinstalled both magnetos and set timing to 25 BTC. Replaced Flexible SCAT tubing from muffler to cabin heat yoke assembly. Replaced induction air filter element. Adjusted alternator belt tension to 9 lbs. drag tension. Cleaned spark plugs, gapped and installed with new gaskets. All A.D.s checked through T-Data Revision 2016-13; see listings for details. I do hereby certify this engine has been inspected in accordance with an annual inspection and has been found to be in airworthy condition and is fit for further service.

John Sjaardema

John Gaardena A&P 2100539 1A

Octuber 29, 2018 Tach time 1431. Drained oil from engine. Added Tquarts Exxon Elite 20w 50 oil. Test run; no leaks 2171434

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DATETIMESERVICETechnician or Repair Facility. (See back pages for other specific entries.)July 14, 2019N2203RW.O. 17-087Tach / Total Time: 1440.30SMOH: 291.30In addition to a normal 100 hour inspection the following was accomplished: compression taken with a .040 orifice sized compression tester with these results: #1 75/80, #2 77/8C. #3 73/80, #4 75/80. Cleaned spark plugs and gapped. Installed with new gaskets. Removed old vacuum pump Model 211CC S/N: 12AF. Removed housing and replaced seal around vacuum pump driving shaft as well as front gasket between housing and accessory housing. Installed new design pump Model AA3215 CC S/N 0BYA21. Replaced vacuum pressure regulator filter element. Removed all fluid hoses in engine compartment. Installed new FAA PMA Approved Teflon Type "D" hoses in "brown" silicone wrap. These hoses are TSO'd and have no life limit. All A.D.s checked through T-Data Revision 2017-14; see listings for details. I do	YEAR	RECORDING TACH	TODAY'S Flight	TOTAL TIME IN	<b>Description of Inspections, Tests, Repairs and Alteration</b> Entries must be endorsed with Name, Rating and Certificate Number of
In addition to a normal 100 hour inspection the following was accomplished: compression taken with a .040 orifice sized compression tester with these results: #1 75/80, #2 77/8C. #3 73/80, #4 75/80. Cleaned spark plugs and gapped. Installed with new gaskets. Removed old vacuum pump Model 211CC S/N: 12AF. Removed housing and replaced seal around vacuum pump driving shaft as well as front gasket between housing and accessory housing. Installed new design pump Model AA3215 CC S/N 0BYA21. Replaced vacuum pressure regulator filter element. Removed all fluid hoses in engine compartment. Installed new FAA PMA Approved Teflon Type "D" hoses in "brown" silicone wrap. These hoses are TSO'd and have no life limit.	DATE	TIME		SERVICE	Technician or Repair Facility. (See back pages for other specific entries.
hereby certify this engine has been inspected in accordance with an annual		Ju In co #1 wi ho be CC flu "D Al	addition mpressio . 75/80, # ith new grousing and tween ho C S/N OBY uid hoses o" hoses i I A.D.s ch	19 N2203R to a normal on taken with 2 77/8C, #3 askets. Rem d replaced so ousing and a A21. Replac in engine co in engine co n "brown" s ecked throu	W.O. 17-087 Tach / Total Time: 1440.30 SMOH: 291.30 100 hour inspection the following was accomplished: n a .040 orifice sized compression tester with these results: 73/80, #4 75/80. Cleaned spark plugs and gapped. Installed noved old vacuum pump Model 211CC S/N: 12AF. Removed eal around vacuum pump driving shaft as well as front gasket accessory housing. Installed new design pump Model AA3215 ced vacuum pressure regulator filter element. Removed all ompartment. Installed new FAA PMA Approved Teflon Type ilicone wrap. These hoses are TSO'd and have no life limit. gh T-Data Revision 2017-14; see listings for details. I do

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YEAR DATE	RECORDING TACH TIME	TODAY'S Flight	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. ( <i>See</i> back pages for other specific entries.)
19/2/2017	1440.0		1440.0	Overhaded RH. Maqueto, veinstelled, timed, verleerd
				all & spank plugs with UHREM382,
	· · ·			Ques & eurs NP 2263238. 10/02/2017

August 3, 2018 N2203R W.O. 18-108 Tach / Total Time: 1450.48 SMOH: 301.48

In addition to a normal 100 hour inspection the following was accomplished: drained oil, cleaned screens, no contaminants detected. Added 7 Qts. Exxon Elite 20W-50 oil. Compression taken with a .040 orifice sized compression tester with these results: #1 78/80, #2 78/80, #3 76/80, #4 79/80. Cleaned spark plugs and gapped. Installed with new gaskets. Removed left magneto and inspected internally. Cleaned points and checked "E gap"; all other aspects looked good. Installed magneto and adjusted timing on both magnetos to 25 BTC. Replaced induction air filter element. A.D. 17-16-11 found to be not applicable as no connecting rod bushings installed in time frame specified in A.D. criteria. All A.D.s checked through T-Data Revision 2018-15; see listings for details. I do hereby certify this engine has been inspected in accordance with an annual inspection and has been found to be in airworthy condition and is fit for further service.

John Sjaardema Joh Gjaanden

A&P 2100539 IA

November 1, 2019 N2203R W.O. 19-129 Tach / Total Time: 1457.25 SMOH: 308.25 STOH: 00.00

In addition to a normal 100 hour inspection the following was accomplished: Drained oil, changed filter. Cut open filter and no contaminants were detected. Cleaned suction screen and installed with new crush gasket. Added 7 Qts. 100 M Mineral oil by Aeroshell. Compression taken with .040 orifice sized compression tester with these results: #1 76/80, #2 77/80, #3 74/80, #4 76/80. Cleaned and gapped spark plugs; installed with new gaskets. Due to cracks developing in exhaust ports of cylinders #1, #3 and #4 removed exhaust system, intake pipes, primer system and baffling from both sides. Removed #1, #3, and #4 cylinders. Removed all eight rocker arms and had bushings installed and ground the tips. Had hydraulic sockets and hydraulic lifters overhauled and balance flow checked as per Procedure 99-001. This overhaul work done by Aircraft Specialties Inc. (W.O. 256474 dated 09/11/2019). Installed new Lycoming cylinder assemblies P/N 05K21104, new rocker arm shafts, new thrust buttons, wrist pins and piston pin plugs. (Note #2 cylinder is also a new cylinder by Lycoming installed in 2016 with only 38.93 hours in service at this time. This above work to be considered a Top Overhaul). Replaced induction air filter element. Replaced crush gasket under the oil pressure relief valve housing. Sealed bottom seam of crankcase with CS324 B 2 sealant as needed. All A.D.s checked through T-Data Revision 2019-20; see listings for specific details. I do hereby certify this engine has been inspected in accordance with an annual inspection and has been found to be in airworthy condition.

John Sjaardema

A&P 2100539 IA

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YEAR DATE	RECORDING TACH TIME	TODAY'S Flight	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. ( <i>See</i> back pages for other specific entries.)
	Rem CH4 abov	noved eng 8110 oil f ve work c vice.	gine oil scre filter assem done in acc	N2203R W.O. 2019-201 Tach / Total Time: 1457.40 een assembly. Installed new oil filter adapter housing and a hbly. Test run and no leaks detected. I do hereby certify this cordance with current FARs and is found fit for further h James A&P 2100539 IA

EAR	RECORDING TACH TIME	TODAY'S Flight	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. ( <i>See</i> back pages for other specific entries.)
The Inst Fille This All v	alled new oil filter d with 7 quarts of engine was ran a	he oil filter a Champion p Aeroshell 8 nd checked i i n accordar	and oil inlet sci on 48110-1 and 0 Mineral Oil . for leaks/ none	reen were removed and inspected/No abnormal wear was found.

# FLY

3232 Pleasant Street DeKalb IL60115

April 14, 2020 N2203R Grumman AA5-B snAA5B-0071,1473.94 Tach. TSMOH 324.74Engine Lycoming O-360A4K sn L20210-36A Propeller Sensenich 76EM8S5-0-63 sn 27155K.

- Replaced Engine Ignition Wires Slick Kit # M4001R wo. M327685
- Installed new alternator to regulator wires pnMS27500-16TRG11, Alternator to Breaker Wire MS22759-16-8< Landing Light Wire MS27500.</li>
- The Alternator was removed and repaired by RLB Accessories (FAA/CRS KB2R946K) ref. wo. 2098 dated 3-11-2020.
- Replaced Alternator Belt Lycoming pn 37A19773-376, po 562799.
- Installed new P-Leads , Bogert pn 21MPL-60-SS, po. 561711.Installed new boot on the right magneto and ground screw.
- Reinstalled Propeller Sensenich pn 76EM8S5-0-63 sn 27155K after overhaul by Stallings Propeller (FAA/CRS 5JRR748C) ref. wo. 8162 dated 3-23-2020. Propeller installed per Grumman Manual and the Sensenich, Propeller Installation Instructions for Sensenich Fixed Pitch Metal Propellers using Flanged Shaft Drive Bushings. This propeller was overhauled because a slight amount of corrosion on the blades.
- Installed New Oil Drain SAF-AIR pn P5000 lot 428557.
- Installed 6 quarts of fresh Aeroshell 80Weight mineral oil.
- Installed 8 new sparkplugs UREM38E,
- The engine was ran and check for leaks/none found. The charging systems was checked per the Zeftronics instructions.

2810786AP

# FLYTAMERICA

3232 Pleasant Street DeKalb IL.60115

September 15,2020 N2203R Grumman AA5-B snAA5B-0071 , 1498.25 Tach

Oil Change,

The oil was drained, the oil filter was open and inspected, some small metal shavings were found, this may be due to new cylinder break-in. Recommend another oil change in 10 hours.

Installed 7 quarts of Aeroshell 80Plus oil along with a new oil filter CH48110-1 ad a new an 900-16 crush gasket.

This engine was ran and checked for leaks/ now found.

Jeffrey Kohlert 2810786AP

YEAR DATE	RECORDING TACH Time	TODAY'S Flight	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. ( <i>See</i> back pages for other specific entries.)
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3232 Pleasant Street DeKalb IL.60115

October 5, 2020 N2203R Grumman AA5-B snAA5B-0071 , 1508.89 Tach

Oil Change,

The oil was drained, the oil filter was open and inspected, normal wear was found.

Installed 7 quarts of Aeroshell 80Plus oil along with a new oil filter CH48110-1 ad a new an 900-16 crush gasket.

An oil sample was taken and sent to Blackstone Labs ref. Sample M74547 dated 10-20-20.

This engine was ran and checked for leaks/ now found.



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#### December 17,2020 N2203R W.O. 20-157 SMOH: 369.13 STOH: 60.88

In addition to a normal 100 hour inspection the following was accomplished: Drained oil, changed filter. Cut open filter and no contaminants were detected. Cleaned suction screen and installed with new crush gasket. Added 7 Qts. Phillips X/C 20W50 oil with one pint of camguard. Compression taken with .040 orifice sized compression tester with these results: #1 77/80, #2 79/80, #3 79/80, #4 77/80. Cleaned and gapped spark plugs; installed with new gaskets. Replaced induction air filter element. Removed carburetor for an overhaul. Unit overhauled P/N 10-5092A S/N CH-5-464F. (W.O. 39777 dated December 7, 2020 by D&G Supply). Replaced #4 Riser Assembly P/N DEL099001-184 Lot # 11973. Installed new clamps and hardware on same riser assembly. All A.D.s checked through T-Data Revision 2020-24; see listings for specific details. I do hereby certify this engine has been inspected in accordance with an annual inspection and has been found to be in airworthy condition.

John Sjaardema

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A&P 2100539 IA

YEAR	RECORDING TACH TIME	TODAY'S Flight	TOTAL TIME IN SERVICE	EIN Entries must be endorsed with Name, Rating and Certificate Number of				
	Drained en	gine oil ar of camgua	nd refilled c rd. Ran eng	Time 1532.80 SMOH 383.80 STOH 75.55				
	07-17-21 N2203R Tach/Total Time 1553.1 Smoh 404.1 Stoh 95.8         Drained engine oil, removed filter, opened filter no contaminants found.         Installed new oil filter, safetied filter, added 8 quarts of Phillips XC 20W 50,         and added 13oz of Camguard. Ran engine checked for leaks. No leaks from         Douglas Graham 3242635							

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### December 1, 2021 N2203R W.O. 21-161 SMOH: 418.21 STOH: 109.96

In addition to a normal 100 hour inspection the following was accomplished: Drained oil, changed filter. Cut open filter and no contaminants were detected. Cleaned suction screen and installed with new crush gasket. Added 7 Qts. Phillips X/C 20W50 oil with one pint of Camguard. Compression taken with .040 orifice sized compression tester with these results: #1 79/80, #2 79/80, #3 79/80, #4 78/80. Cleaned and gapped spark plugs; installed with new gaskets. Replaced induction air filter element. Adjusted all three engine controls to give proper cushion at the panel. A.D. 20-25-12 not applicable due to engine model number. All A.D.s checked through T-Data Revision 2021-24; see listings for specific details. I do hereby certify this engine has been inspected in accordance with an annual inspection and has been found to be in airworthy condition and fit for further service. Death gh fry

Derek J de Jong

A&P 366069153 IA

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YEAR

YEAR	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. ( <i>See</i> back pages for other specific entries.)
	Drained e	ngine oil, new oil fil	removed fil ter, safetied	Time 1576.19 SMOH 427.19 STOH 118.94 tter, opened filter no contaminants found. filter, added 8 quarts of Phillips XC 20W 50 Ran engine and checked for leaks. No leaks
	Douglas (	Graham 3.	242635	

YEAR	RECORDING TACH	TODAY'S Flight	TIME IN	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of
DATE	TIME		SERVICE	Technician or Repair Facility. (See back pages for other specific entries.)

October 12, 2022 N2203R W.O. 22-135 Tach / Total Time: 1594.75 SMOH; 445.75 STOH: 137.50

In addition to a normal 100 hour inspection the following was accomplished: Drained oil, changed filter. Cut open filter and no contaminants were detected. Cleaned suction screen and installed with new crush gasket. Added 7 Qts. Phillips X/C 20W50 oil with one pint of Camguard. Compression taken with .040 orifice sized compression tester with these results: #1 79/80, #2 79/80, #3 79/80, #4 79/80. Cleaned and gapped spark plugs; installed with new gaskets. Replaced induction air filter element. Rerouted flexduct by #3 intake pipe to stop abrasion. Relocated hose clamp on flexduct by #2 cylinder to stop abrasion on oil return line. A.D. 22-16-03 not applicable due to no part installed. All A.D.s checked through T-Data Revision 2022-20; see listings for specific details. I do hereby certify this engine has been inspected in accordance with an annual inspection and has been found to be in airworthy condition and fit for further service.

John Sjaardema Jah Gjacone A&P 2100539 IA

YEAR DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. ( <i>See</i> back pages for other specific entries.)
	Drai Insta and four	ined engin alled new : 16 oz of C xd.	e oil, remov filter, saftie	Total Time 1611.64 SMOH 462.64 STOH 154.39
	Dra	ined engin	e oil, remov	Total Time 1625.11 SMOH 476.11 STOH 167.86
	and	16 oz. Of	Camguard. am 324263:	Ran engine and checked for leaks. No leaks found.

<b>FEAR</b>	RECORDING TACH	TODAY'S FLIGHT	TOTAL TIME IN	Entries must be endorsed with Na	, Tests, Repairs and Alterations ame, Rating and Certificate Number of		
DATE	TIME		SERVICE	Technician or Repair Facility. (Se	e back pages for other specific entries.)		
•	wo: 23-144 Excel-Air Services			$\propto$	Engine - page 1 of 1 -		
			el-Air Services,	N-Air Services, Inc 2326 W. Clark St Rensselaer, IN 47978 - 219-866-5587			
			Lycomi STOH:	ing, 0-360-A4K, S/N: L-20210-36A 224.8 TACH: 1638.4	October 13, 2023 Total Time: 1638.4		
				spection of this engine in accordance w Ig was accomplished:	ith Grumman AA5 Series Main-		
	<ul> <li>#3 78/80, #4 79/80.</li> <li>2. Drained oil, removed and regasket P/N AN900-16. Fille additive. Cut open filter, no with Blackstone Kit - Oil Ana</li> <li>3. Removed and replaced indu</li> <li>4. Cleaned and gapped spark Gasket.</li> <li>5. Removed, cleaned, and rein</li> <li>6. Checked all A.D.s through T</li> </ul>			iction air filter with new. Installed P/N BA-20 - Induction Air Filter. plugs. Reinstalled with new gaskets. Installed (8) P/N M674 - Spark Plug			
				John Sincudena			