## AIRCRAFT TECHNICAL LOGS

Section 3. **ENGINE** 

#### **ENGINE LOG**

1.	Make	LYCOMING
2.	Model	IO-360-MIA
3.	Specification	IE10
4.	Manufacturer's Serial Number	L-33891-51E
5.	Date of Manufacture	
6.	Aircraft Inspection Cycle	

		TIME	RUN		SINCE	INSTALL ATIONS, INSPECTA
	DATE	HRS.	MIN.	HRS.	MIN.	INSTALLATIONS, INSPECTIONS,  NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	ROUGHT		-	8	6	ENAINE MOSIMILEO MEL
$\leq$						Engine installation inspected I.A.W. Diamond Aircraft Industries Inc.
						DA 40 W.I.S. Rev: R Form ME-01-A
						Engine service with 8 qts. Of Philips 20W50 Type "M" engine oil.
						Engine break-in I.A.W. Lycoming Service Instruction 1427B,
						FLIGHT TEST COMPLETED
FEB C	2008			41.	5	HOURS BROUGHT FORWARD
1						
$\overline{}$						
	<del>\</del>					<b>M</b> Diamond
	$\rightarrow$					Date: March 24, 2008
_	$\rightarrow$					WO#: RO-08-063 S/N: 40.889 Reg #: N889DS TTAF: 4.5 hrs. Engine S/N: L-33891-51E
		$\rightarrow$				The Following work has been carried out:  Precision MSB PRS-107/AD2008-06-52 complied with, RSA servo S/N
		$\rightarrow$				70C89505 inspected. No defect noted. Next due in 50 hrs flying time or next and every oil change.
		-				The maintenance described above has been performed in
	-	-+	$\overline{}$			accordance with the applicable standards of airworthiness.
						DIAMOND AIRCRAFT INDUSTRIES AMO 161-93
				$\overline{}$		Signature Lic or Stamp R017
-						
					$\overline{}$	
1	ENGINE MODEL: IO-360-M1A		Premi			raft Service,. Inc.  DATE: 4/29/2008 A/C TSN: 14.9
	ENGINE S/N: L-33 REG. NO: 889DS WORK ORDER:	891-51E	Diamond =	Fort L	NW 23rd Ave auderdale, Fl e: (954) 334-2	L 33309 ENG TT: 14.9
	1999-04-2008 Engine Entrie	ae .				
F	REMOVED AND	REPLACE	ED GASKE	T WITH PN	#2577258, 1	RETORQUED AND SAFTIED AS REQUIRED.C/W A.D. 2008-06-51
	NSPECTION IA	W LYCOM	ING SB 34	2E. NO DEF	ECTS NOT	I.D. 2002-26-01 LYCOMING FUEL INJECTION LINE AND CLAMP IED. NEXT DUE 100 HOURS FROM THIS TIME. IAMOND DA-40 M/M CHAPTER 5 INSPECTION GUIDE.
	A&P 2738632	OWN INLOC	NON CHEC	/K /0,/0,//,	78 /80	PANIOND DA-40 M/M CHAPTER 5 INSPECTION GUIDE.
	MECH CHRIST	TOPHER B	ARCENAS	.0	1	
_	SIGN: Maintenance Relea	se		JE C	N	
TOTAL I	certify this engine	has been inc	pected in acc	cordance with	an Annual in	Inspection and found to be in airworthy condition on this date. Aircraft is approved
TOTA	DATE: 4/29/2008				AY CERTIFIE	ISPECTION and found to be in airworthy condition on this date. Aircraft is approved ES FUTURE AIRWORTHINESS
Τ(	PATE: 4/29/2008	5	SIGNI Jack W	ED: esley Dale, IA	£ 456967085	Work Order: 1999-04-2008
SINC						Printed by EBis 3 (datcomedia.com)

REPAIRS, ADJUSTMENTS, MODIFICATIONS  NITRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.  SIGNA	TURE LICENCE NUMBER
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I I	

	TIME	RUN	TIME SI OVERH	AUL	INSTAL	LATIONS, INSPE	CTIONS, AS REQUIRED FOR COMPLETE
DATE	HRS.	MIN.	HRS.	MIN.	NOTE: OFF		SH COMPLETE
OUGHT RWARD		-					
- al							`
		2			N8	89DS	HOBBS 35.3
					SN:	40.889	Tach 25.1
8	7	<u>"</u> )"			014.		1 4011 25.7
	ICES COR	PORATIO	N				,
THE RIGHT APPRITACE	4 TO PROFESSIONAL AT	VIATION SERVICES			vith 25hr. and 50hr. Inspec	tion items	
7/23/2	2008		0	aliad .	with AD 2008-08-14 by repl	acing gasket P/	N 2577258 IAW
				:-: /	tirmotive MSR PRS-10/. I	nstaneu new ga	Sket under plug on fuel
				lator o	nd torqued to 100 in/lbs an ired for AD 2008-08-14 du	d samed, No le	aks lound. No more
			# Dam	house	propellor and sent to Sense	enich Propellor	Service (S46R346N) for
			*****	ir of o	on trailing edge of blade	e. Replaced O-	ring, re-installed
			prop	ellor,	orqued, and saftied propel	lor bolts. Leak	cneck and ops check of
			prop	satist	actory. nergency power switch with	conner breaka	way wire
			" Saft	ied en	nergency power switch with	COPPET DICUNG	A&P 3060798
				In	Mallocal	2	AGI 3000/30
			1/11/2				
		1	i				
	· · · · · · · · · · · · · · · · · · ·	<u> </u>					
					N889DS		38 35.3
			+ +		N889DS SN:40.889		3S 35.3 CH 25.1
	DECIAL SERVICES	CORPORATIO	i i				
	7/23/2	PRODUCE AND		4-07   vec	SN:40.889	TAG	CH 25.1 —— ed with IAW
SP	THE REAL ENTERINGS TO PRETE	PRODUCE AND	* AD 2008-1 AD 2002-2	26-01 on 4	SN:40.889  ming fuel injection line and clamp inspection/29/08 Tach time: 14.9 with no defects note	TAG on was previously complied. AD 2008-14-07 is nov	CH 25.1 —— ed with IAW
SP	THE REAL ENTERINGS TO PRETE	PRODUCE AND	* AD 2008-1 AD 2002-2	26-01 on 4	SN:40.889  ming fuel injection line and clamp inspection/29/08 Tach time: 14.9 with no defects note	TAG on was previously complied. AD 2008-14-07 is nov	CH 25.1 —— ed with IAW
SF	THE REAL ENTERINGS TO PRETE	PRODUCE AND	* AD 2008-1 AD 2002-2	26-01 on 4	SN:40.889	TAG on was previously complied. AD 2008-14-07 is nov	CH 25.1 —— ed with IAW
SP	THE REAL ENTERINGS TO PRETE	PRODUCE AND	* AD 2008-1 AD 2002-2	26-01 on 4	SN:40.889  ming fuel injection line and clamp inspection/29/08 Tach time: 14.9 with no defects note	TAG on was previously complied. AD 2008-14-07 is nov	CH 25.1 —— ed with IAW
SF	THE REAL ENTERINGS TO PRETE	PRODUCE AND	* AD 2008-1 AD 2002-2	26-01 on 4	sn:40.889  ming fuel injection line and clamp inspection /29/08 Tach time: 14.9 with no defects note  A C A B S S S	TAG	ed with IAW v due at Tach
sr	THE REAL ENTERINGS TO PRETE	PRODUCE AND	* AD 2008-1 AD 2002-2	26-01 on 4	sn:40.889  ming fuel injection line and clamp inspection /29/08 Tach time: 14.9 with no defects note  A Carl A P 3 3 3 9	TAC	ed with IAW v due at Tach
/zus	THE REAL ENTERINGS TO PRETE	PRODUCE AND	* AD 2008-1 AD 2002-2	26-01 on 4	sn:40.889  ming fuel injection line and clamp inspection /29/08 Tach time: 14.9 with no defects note  A C A B B B B B B B B B B B B B B B B B	TAC	bas ith a
/zvv	THE REAL ENTERINGS TO PRETE	PRODUCE AND	* AD 2008-1 AD 2002-2	26-01 on 4	sn:40.889  ming fuel injection line and clamp inspection /29/08 Tach time: 14.9 with no defects note  A Carl A P 3 3 3 9	TAC	bas ith a d deter-
/zw	THE REAL ENTERINGS TO PRETE	PRODUCE AND	* AD 2008-1 AD 2002-2	26-01 on 4	sn:40.889  ming fuel injection line and clamp inspection /29/08 Tach time: 14.9 with no defects note  A C A B B B B B B B B B B B B B B B B B	TAC	bas ith a d deter-
/zw	THE REAL ENTERINGS TO PRETE	PRODUCE AND	* AD 2008-1 AD 2002-2	26-01 on 4	sn:40.889  ming fuel injection line and clamp inspection /29/08 Tach time: 14.9 with no defects note  A C A B B B B B B B B B B B B B B B B B	TAC	bas ith a d deter-

TOTAL FROM PREVIOUS SUMMARY

TOTAL SINCE MFG.

			<u></u>				
			<b>N889DS</b> SN:40.899		Tach 5 Hobbs 7	3.8	
5/5/2009	Engine SN: L-33891	-51E	011.40.000				-
G/G/ZGGG	<ul> <li>15W50. Inspected oi</li> <li>Complied with engin</li> <li>Adjusted Magnetos t</li> <li>Performed engine poi</li> </ul>	I filter with no discre e compression chec o 25 Deg TDC. Per ower rund with no di	ed oil filter with a new filter epancies noted at this time ck with all cylinders with in formed ground run with Maiscrepancies noted at this and in the MM. Performed g	e. No leaks noted on engagement. MM limits. #1-79/80; #2 ag drop with in MM limit time.	gine run. 2-77/80; #3-78/ ss. epancies noted	80; #4-78/80.	-
	/					1	
Date	TACH/HOBBS	ESMOH	ETT			-	×
4/28/2010	101.5	101.5	101.5			-	
gapped all spark Aeroshell 15W/50 and points in LH exhaust system p follows: 1-78/80, controls and was to date. Perform listed in FAR par on file at Dillon's C/W AD 2008-14	plugs cleaned all air and characteristic and CH48110-1 filter magneto. Retimed noter Powerflow mainter 2-78/80, 3-78/80, 4-7 when aircraft. Checker all work in according to return this engangle.	and fuel filters. Our Checked mags as per Lyconance instruction (8/80. Checked and MFG SB's to dance with Lycomagine to service in a by inspection possible.	conce with FAR 43 apper Changed oil and filter. In gneto points and timing oming maintenance mans. Performed compres and serviced all fluid led date. Checked applicable in a service manual and a rairworthy condition. For	Serviced with 8 quag. Replaced rub bloanual. Lubricated ession check as evels, lubricated ble AD's for complia d standard practice Refer to WO#G0191	nts ck nce as		
·							
7-8-10	128.9						
		+ Chan	ced filter	AA 48110-2	v		
Tas	spected old	filter.	no metal for Aeroshell	and			
Ro	Called WIL	1 8.1	Aeroshell 1	5 w 50.			

Run-up no lease found.

DATE	TIME	RUN		SINCE	INSTALLATIONS, INSPECTIONS,  NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE.
	HRS.	MIN.	HRS.	MIN.	MOTE. SSECOMPLETE
BROUGHT FORWARD		-			
				- 54	N889DS 8-3-70/0
			tly Airc		TEOU
	-	Hobs ach	Time Z	00-1	1-78/80 2-77/80 3-78/80 4-78/80 CW AD
	-	0000	44 07	h. inana	ration of tile injection lines liest due la cylinder
	-		4	OO hour	e changed oil and filled with Actobileii
		151/	50 oil in	stalled r	new Champ 48110 filter old filter inspected found ontrols, and control linkage
		T			to a stand in popperdance with an
		I certi	ty that the		Inspection and has been determined to be airworthy
		condi	lion	eng	
	1	1	( / / )	7502	Signature: Thomas Livet
	-	+ #	98	1507	
	-	-	-	+	
	-				
		Gunti	y Aircra	aft —	N889DS 10/4/2010
		Tact T	ime Hob	6 256.3	Total Time 256.3 TSOH:
		drains	d oil ch	ecked fi	ilter installed new filter filled with Aeroshell
		15W5	0 oil	CONOG II	
		i			has been inspected in accordance with an
			oil chan		Inspection and has been determined to be airworthy.
		conditi	<del></del>		Signature: Thomas a Turning
				503	Signature. Thomas a series
		Gun	tly Airc	raft	14009D3
	<u> </u>	Each	Time H	66 302	.6 Total Time 302.6 TSOH:
	-	Com	pressio	n check	(1-78/80 2-77/80 3-78/80 4-78/80 CW AD
		2008	-14-07	by inspe	erction of fuel injection lines next due @ cylinder
		remo	val or 1	00 hou	rs changed oil and filter filled with Aeroshell
		15W	50 oil ir	istalled	new Champ 48110 filter old filter inspected found controls, and control linkage
		-		_	•
		l certi	fy that thi		has been inspected in accordance with an
			100 hou	ır Eng	Inspection and has been determined to be airworthy
		condit	ion.		Signature: Thomas of the
		Atp	175	022	1 won a Jung
		-, '' ,			
			ntly Air		O Total Time 0 TSOH: 0
	Ho	6 b Tar	FTime 2	330.	7 0 Total Time 0 Tooth
		dra	ned oil	chęcke	ed filter installed new filter filled with Aeroshell
		<u></u> 15√	V50 oil	$\mathcal{F}$	home & Sunt Ad 1758321
			T "		has heen iner ance with an
			1		CARRIED FORWARD
L THIS PAGE					
TAL FROM		-	1		
IOUS SUMMARY			4		
TOTAL		1	1		

NTRIES. DE	REPAIRS, ADJUSTMENTS, MODIFICATIONS  RAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.  SIGNATURE	LICENCE
	Guntly Aircraft N889DS 12/12/2010	
	Tach Time 315.1 Total Time 315.1 TSOH:	
	Compression check 1-77/80 2-78/80 3-70/80 4-76/80 CW AD  2008-14-07 by insperction of fuel injection lines next due @ cylinder removal or 100 hours, changed oil and filter filled with Aeroshell 15W50 oil installed new Champ 48110 filter old filter inspected found no metal checked controls, and control linkage checked intake and exhaust systems engine inspected per Diamond 100 hour inspection	
	chwck list	
	I certify that this Phaline has been inspected in accordance with an	
	100 hour Inspection and has been determined to be airworthy	
	_ H 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1 1 1 2 1	11 77 360,
	14000011	oil chaf
	Guntly Aircraft N889DS 770Uh	Acroshell 15
	Tach Time 402.7 Total Time 402.7 Total Time	
	comp 1-78/80 2-77/80 3-77/80 4-75/80 changed oil and installed new filter filed with Aeroshell 15W50 oil filter inspected found no metal checked intake and exhaust systems, checked heat muff, checked controls and control linkages. cw AD 08-14-07 by Just and control linkages.	due ) n 100 p
<b></b>	has been inspected in accordance with all	
	100 hour Inspection and has been determined to be airworthy	
	condition. Signature: Thomas a Judge	
5-10-11	odl+fild changed fill 15W56 oil Thoms att	Ty / 4/1750;
450.6	Guntly Aircraft N889DS 5/30/2011	
1000	Tach Time 476.5 Total Time 476.5 TSOH: 0	
	Operation check of ELT PER FAR 91.207 Para D checked controls and control linkages, Completed annual inspection per Diamond inspection check list. Ew AD 08-14-07- Dive head 100 Hz	work dist
	I certify that this find has been inspected in accordance with an Inspection and has been determined to be airworthy	
	HAP 1750371 Signature: Thomas a Things	
	1.	
	Guntly Aircraft N889DS 7/17/2011	
	Tach Time 523.1 Total Time 523./0 TSOH: 0	
	Oil and filter chaque inspect filter	
	I certify that this Chaine has been inspected in accordance with an	
	50 HOUR Inspection and has been determined to be airworthy	
	condition.	
	Add 1750371 Signature: Thomas a Swiff	

DATE	TIME	RUN	TIME S	HAUL	NOTE: USE BOTH PAGES AN	LLATIONS,	INES AS REQUIRED	FOR
-	HRS.	MIN.	HRS.	MIN.	NOTE: USE SOTH PAGES		4	ON COMPLET
BROUGHT	Guntly Air	craft	- N8	89DS	8/2/2011	1	11	
FORWARD	Tach Time	575	90 Total T	ime	575.9 TSOH:			
	comp 1-78	/80 2-80	0/80 3-7	5/80 4-	78/80 changed oil and ins	stalled		
	new filter f	fled with	Aeroshe	ell 15W	50 oil filter inspected found	d∗no		
	metal chec	ked inta	ke and e	xhaust	systems, checked heat mu	uff,	,	
	checked co							
*	I certify that the	nis Pu	910	ie i	as been inspected in accordance	ce with an		
_	100 hou	r engine			has been determined to be airwe	vorthy		
	condition.				$\mathcal{A} \mathcal{O}$	91 -	-	
	#18	1750	37/SIG	inature:	Thomas u	Soul		
	Guntly	Aircraft	·	N889D	10/10	0/2011		
	Tach Tim		668.4 Tot		668.4 TSOH:	0		
						Linetallad		
	comp 1-	70/80 2	2-78/80	3-78/80	4-78/80 changed oil and	und no		
	new filte	er filed v	vith Aero	shell 15	W50 oil filter inspected for	t muff		
	metal cr	iecked i	ntake an	ntrol lin	st systems, checked heat	( ) i i i i i i i i i i i i i i i i i i		
	*			1		dance with an		
	certify th	at this	Pugi	ne	has been inspected in accord			
		100 hour	In	spection	and has been determined to be a	airworthy		
	condition			Cianati	<i>P</i>	97		
	A	to 17	750321	Signatu	ie. I homes a			
					1000			
	_ ,	1			1			
					V JOS III			
	Guntly	Aircrat		N889I		/15/2011		
	Guntly Tach Tir		ft —			/15/2011		
	Tach Tir	me	ft 708.7 To	N889I	OS 11/ 708 TSOH:	5		
	Tach Tir Change	<sub>me</sub> ed oil an	ft 708.7 To	N889I otal Time	708 TSOH:  Aeroshell 15W50 oil filter	r inspected		
	Tach Tir Change	me	ft 708.7 To	N889I otal Time	708 TSOH:  Aeroshell 15W50 oil filter	r inspected	8-2/	
	Tach Tir Change	<sub>me</sub> ed oil an	ft 708.7 To	N889I	708 TSOH:  Aeroshell 15W50 oil filter	r inspected	3-2/	
	Tach Tir Change	<sub>me</sub> ed oil an	ft 708.7 To	N889I otal Time	708 TSOH:  Aeroshell 15W50 oil filter	r inspected	1-1/	
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	Change found r	me ed oil an no metal	708.7 To	N889E otal Time Illed with	708 TSOH: Aeroshell 15W50 oil filter	r inspected	8-2/	
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	Tach Tir Change found r  Guntly A Tach Time comp 1-7	ed oil an no metal ircraft	708.7 To d filter file	N889E otal Time lled with N889DS I Time	708 TSOH:  Aeroshell 15W50 oil filter  Aeroshell 15W50 oil filter  1/12/2  768 TSOH:  4-78/80 changed oil and	r inspected 7503 2012 installed	3-2/	
	Change found r  Guntly A  Tach Time  comp 1-7  new filter	ed oil and no metal ircraft  0/80 2-	708.7 To ad filter file of filter filter file of filter file of filter file of filter file of filter filter file of filter	N889E otal Time llled with N889DS I Time -78/80 hell 15V	708 TSOH:  Aeroshell 15W50 oil filter  Aeroshell 15W50 oil filter  1/12/2  768 TSOH:  4-78/80 changed oil and involved oil filter inspected four	r inspected  7503  2012  installed  und no		
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	Guntly A Tach Time  Comp 1-7 new filter metal che checked of I certify that	ed oil and no metal ircraft  0/80 2- filed with ecked interpretation on the controls this financial incomplete.	708.7 To ad filter file of filter filter file of filter filter file of filter file of filter	N889E otal Time lled with N889DS I Time -78/80 hell 15V exhaus trol links	708 TSOH:  Aeroshell 15W50 oil filter  AFRICA TSOH:  768 TSOH:  4-78/80 changed oil and it visystems, checked heat ages.  has been inspected in accordance to be a second t	inspected 2012 installed und no muff, ance with an		
	Guntly A Tach Time  Comp 1-7 new filter metal che checked of I certify that	ed oil and no metal ircraft  0/80 2- filed with ecked interpretation on the controls this financial incomplete.	708.7 To ad filter file of filter filter file of filter filter file of filter file of filter	N889E otal Time lled with N889DS I Time -78/80 hell 15V exhaus trol links	708 TSOH:  Aeroshell 15W50 oil filter  Aeroshell 15W50 oil filter  1/12/2  768 TSOH:  4-78/80 changed oil and in the systems, checked heat ages.  has been inspected in accordance to be a significant to be a	inspected 2012 installed und no muff, ance with an		
TAL THIS P.	Tach Tir Change found refound refound refound refound reformed ref	ed oil and no metal ircraft  0/80 2- filed with ecked interpretation on the controls this financial incomplete.	708.7 To ad filter file of filter filter file of filter filter file of filter file of filter	N889E otal Time lled with N889DS I Time -78/80 hell 15V exhaus trol links	708 TSOH:  Aeroshell 15W50 oil filter  AFRICA TSOH:  768 TSOH:  4-78/80 changed oil and it visystems, checked heat ages.  has been inspected in accordance to be a second t	inspected 2012 installed und no muff, ance with an		
	Guntly A Tach Time Comp 1-7 new filter metal che checked of I certify that tool it condition.	ed oil and no metal ircraft  0/80 2- filed with ecked interpretation on the controls this financial incomplete.	708.7 To ad filter file of filter filter file of filter filter file of filter file of filter	N889E otal Time lled with N889DS I Time -78/80 hell 15V exhaus trol links	708 TSOH:  Aeroshell 15W50 oil filter  AFRICA TSOH:  768 TSOH:  4-78/80 changed oil and it visystems, checked heat ages.  has been inspected in accordance to be a second t	inspected 2012 installed und no muff, ance with an		
TAL THIS P	Tach Tir Change found refound	ed oil and no metal ircraft  0/80 2- filed with ecked interpretation on the controls this financial incomplete.	708.7 To ad filter file of filter filter file of filter filter file of filter file of filter	N889E otal Time lled with N889DS I Time -78/80 hell 15V exhaus trol links	708 TSOH:  Aeroshell 15W50 oil filter  AFRICA TSOH:  768 TSOH:  4-78/80 changed oil and it visystems, checked heat ages.  has been inspected in accordance to be a second t	inspected 2012 installed und no muff, ance with an		
TOTAL FRO	Tach Tir Change found refound	ed oil and no metal ircraft  0/80 2- filed with ecked interpretation on the controls this financial incomplete.	708.7 To ad filter file of filter filter file of filter filter file of filter file of filter	N889E otal Time lled with N889DS I Time -78/80 hell 15V exhaus trol links	708 TSOH:  Aeroshell 15W50 oil filter  AFRICA TSOH:  768 TSOH:  4-78/80 changed oil and it visystems, checked heat ages.  has been inspected in accordance to be a second t	inspected 2012 installed und no muff, ance with an		

	Guntly Aircraft N889DS 2/23/2012		
	Tach Time 818 Total Time 818 TSOH:		
	changed oil & filter filled with Aeroshell 15W50 oil filter inspected  found no metal  This a Sunth A+p 1750 3	2/	
	Guntly Aircraft         N889DS         3/28/2012           Tach Time         861 Total Time         861 TSOH:		
	comp 1-75/80 2-78/80 3-76/80 4-78/80 changed oil and oil filter, installed new filter filled with Aeroshell 15W50 oil filter inspected found no metal checked intake and exhaust systems, checked heat muff, checked controls and control linkages. Installed new strap suporting tail piipe AD 12-03-06 NA by engine mfg date, no affected parts installed		
	I certify that this $engine$ has been inspected in accordance with an		
	100 hour engine Inspection and has been determined to be airworthy		
	condition.  Signature: Thomas a fund		
	AAP 1750321 Signature. Monis assuring	·	
	Guntly Aircraft N889DS 5/5/2012		
	Tach Time 890.3 Total Time 890 - 3 0 TSOH: 0		200 0000 00 0000
	changed oil & filter filled with Aeroshell 15W50 oil filter inspected		1
	found no metal run up OK. Thors Sum AND 175037/		
June	found no metal run up OK. Thors Sun Adp 1750371	ch # 175	4277
June # 3	found no metal run up OK. Thors Sun Adp 1750371	ch # 175 led with	HZTI Devos
# 3	7 20.12 Tack 949.8 comp 77 # 477/80 Changed oil fil	ch # 175 led with	H277 Azros
# 3	found no metal run up OK. Thoms Sum AND 1750371  7 20.17 Tack 949.8 comp  177 # 477/80 changed oil fill w50 oil, inspected intake 4 E	ch # 175 led with	H277 Deros
# 3	found no metal run up OK. Thom Sund Adp 175037/  7 20.12 Tack 949.8 comp  77 # 477/80 changed oil fill w50 oil, inspected into the AED onlysts a control linkage I cort	led with 1. system fy This	
# 3	found no metal run up OK. Thoms Sum Adp 1750371  7 20.12 Tack 949.8 comp  177 # 477/80 changed oil fill w50 oil, inspected intoke a El onlysts a control linkage I cert	led with 1. system fy This	HZTI Deros Fryi
# 3	found no metal run up OK. Thom Swap Adp 175037/  20.12 Tack 949.8 comp  177 \$# 477 \ 80 Changed oil fill  w50 oil, inspected intake & El  onfrols a control linkage I cert  os been inspected In a cood and  os Hour ms see from and has	led with 1. system 1. system 1	
# 3	found no metal run up OK. Thom Swap Adp 175037/  20.12 Tack 949.8 comp  177 \$# 477 \ 80 Changed oil fill  w50 oil, inspected intake & El  onfrols a control linkage I cert  os been inspected In a cood and  os Hour ms see from and has	led with 1. Syston 1. Syston 1	an ferm).
# 3	found no metal run up OK. Thom Swap Adp 175037/  20.12 Tack 949.8 comp  77 \$# 477 80 changed oil fill  w50 oil, inspected intake 4 El  onfrols a control linkage I cert  os been inspected In a cood and  o How mspec from and has	led with 1. Syston 1. Syston 1	an ferm).
# 3	found no metal run up OK. Thom Swap Adp 175037/  20.12 Tack 949.8 comp  177 \$# 477 \ 80 Changed oil fill  w50 oil, inspected intake & El  onfrols a control linkage I cert  os been inspected In a cood and  os Hour ms see from and has	led with 1. Syston 1. Syston 1	an ferm).
C W 10	found no metal run up OK. Thoms Swap Adp 175037/  20.12 Tack 949.8 comp  177 # 477/80 changed oil fill  w50 oil, inspected intake a El  onlysis a control linkage I cert  os been inspected In a cood and  so How inspector and has  be in a is worthy condition  Thomas and	led with 1. system sty This e with been de fundy fftpi	15037
# 3	found no metal run up OK. Thoms Swap Adp 1750371  20.12 Tack 949.8 comp  47 # 477/80 changed oil fill  w50 oil, inspected intake a El  onlysis a control linkage I cert  os been inspected In a cood and  o Hour inspected In a cood and  be in a is worthy condition  Thomas a  y  14   2012 Tack 992.2 chan	Led with  1. Syston  1	15037
# 3 15° C # 10	found no metal run up OK. Thoms Swap Adp 175037/  20.12 Tack 949.8 comp  77 # 477/80 changed oil fill w50 oil, inspected intake a El onlysis a control linhage I cert os been inspected In a cood and be in a is worthy condition Themas a d filter Inspected filter	Led with System System System Siff Servity Hall	15037
# 3 15° C # 10	found no metal run up OK. Thoms Swap AND 1750371  7 20.12 Tack 949.8 comp  17 # 477/80 changed oil fill w50 oil, inspected intoke a El onfrols a control linkage I create os been inspected In a cood and be in alloworthy condition Thomas a So be in alloworthy condition of filter Inspected filter with Aeroshell 15050 oil Re	Led with System System System Som de Silled in up chec	15037
# 3 15° C # 10	found no metal run up OK. Thoms Swap AND 1750371  7 20.12 Tack 949.8 comp  17 # 477/80 changed oil fill w50 oil, inspected intoke a El onfrols a control linkage I create os been inspected In a cood and be in alloworthy condition Thomas a So be in alloworthy condition of filter Inspected filter with Aeroshell 15050 oil Re	Led with System System System Som de Silled in up chec	15037
# 3 15° C # 10	found no metal run up OK. Thoms Swap AND 1750371  7 20.12 Tack 949.8 comp  17 # 477/80 changed oil fill w50 oil, inspected intoke a El onfrols a control linkage I create os been inspected In a cood and be in alloworthy condition Thomas a So be in alloworthy condition of filter Inspected filter with Aeroshell 15050 oil Re	Led with System System System Siff Servity Hall	15037
# 3 15° C # 10° 73°	found no metal run up OK. Thoms Swap AND 1750371  7 20.12 Tack 949.8 comp  17 # 477/80 changed oil fill w50 oil, inspected intoke a El onfrols a control linkage I create os been inspected In a cood and be in alloworthy condition Thomas a So be in alloworthy condition of filter Inspected filter with Aeroshell 15050 oil Re	Led with  X. Syston  Y. Syston  Syston  Junity Hyll  Limity Hyll  Limity Hyll  Limity Fill  Limi	15037

DATE	TIME	RUN	TIME	SINCE	INSTALLATIONS, INSPECTIONS,  NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLEYE
	HRS.	MIN.	HRS.	MIN.	- COMPLETE
BROUGHT FORWARD		-			
		Gunt	ly Aircra	ıft	N889DS 8/8/2012
			-	1049 7	Total Time 1049.7 TSOH:
				2-78/8	30 3-78/80 4-78/80 changed oil and oil filter, and with Aeroshell 15W50 oil filter inspected
	1	instal	led new	filter fill	ed wild not sustems checked heat
	+	found	no met	ai cneck d contro	ls and control linkages. CW AD 11-26-04 by
	+	inspe	ction of		
	-	1	y that this		1 9 ne has been inspected in accordance with an Inspection and has been determined to be airworthy
		-	100 ho	ur	Inspection and has been determined to a survey
		condit			Signature: Thomas a Shoothy
		$\downarrow$ $\theta$	4/17	5037	97.
			50	e	AS for oil CH 9-18-12
			ļ		
	1				1444/9949
		ntly Air			389DS 11/1/2012
	+	h Time		2.4 Total	
	cor	np 1-78	80 2-78	3/80 3-7	78/80 4-78/80 changed oil and oil filter, th Aeroshell 15W50 oil filter inspected
	fou	nd no m	etal che	cked in	take and exhaust systems, checked heat
	mu	ff. checl	ked conf	rols and	d control linkages. CW AD 11-26-04 by
	1				due next in 100 hours or line clamp moved.
	1 ce	rtify that the		ngin	
	<del> </del>		hour	Insp	pection and has been determined to be airworthy
	- con	dition.		S	ignature: Thomas of the
	<del> </del>	Adp	1750	371	
	Gun	itly Airc	raft	N8	389DS 4/5/2013
	Tach	Time	123	39 Total	
	com	p 1-76/	80 2-77	/80 3 <sub>-</sub> 7	79/80 4-78/80 changed oil and oil filter,
	msta	alled nev	w filter	filled wi	th Aeroshell 15W50 oil filter inspected
	⊥ roun	a no ma	etal che	cked in	take and exhaust systems, checked heat
	mun	, спеск	ea cont	rois and	Control linkages CW AD 11-26-04 by
*	Loert	ify that th	ie 🛮 🗀	, intes C	due next in 100 hours or line clamp moved.
	. 551	100 hour		911	
	condi		Singille		ection and has been determined to be airworthy
	_	A al	214	Si	ignature:
L THIS PAGE		540	173	0321	gnature: Thomas & Livery
TAL FROM OUS SUMMARY			1		
TOTAL NCE MFG.			1		

REPAIRS, ADJUSTMENTS, MODIFICATIONS ON THE STATE OF THE STATE AND TIME COLUMNS.	SIGNATURE	NUMBER
Guntly Aircraft N889DS 7/9/2013		1
Tach Time 1332.8 Total Time 1332.8 TSOH:		-
comp 1-78/80 2-77/80 3-77/80 4-76/80 changed oil and oil filter, installed new filter filled with Aeroshell 15W50 oil filter inspected found no metal checked intake and exhaust systems, checked heat muff, checked controls and control linkages. CW AD 11-26-04 by increasing of fuel In lines due next in 100 hours or line clamp moved.		
I certify that this <u>Vingine</u> has been inspected in accordance with an 100 hour Insp. Inspection and has been determined to be airworthy condition.  Signature:   April 750371		
Guntly Aircraft N889DS 9/7/2013		
Tach Time 1374.3 Total Time 1374.3 TSOH:		+
Changed oil and filter filled with Aeroshell 15W50 inspected filter no metal found checked for leakks, none found.	DAP 1175	037/
Tack 1402.4.		
9-28-13 , Betimed mags To 25	6, Insta	1/ed
hew Champson Bem 38 Eplus un CK tach mas Thomas a Linty At	on drop 175032	125
Guntly Aircraft N889DS 9/11/2013		
Tach Time  1428 Total Time  1428 TSOH:  comp 1-77/80 2-77/80 3-75/80 4-78/80 changed oil and oil filter, installed new filter filled with Aeroshell 15W50 oil filter inspected found no metal checked intake and exhaust systems, checked heat muff, checked controls and control linkages. CW AD 11-26-04 by inspection of fuel Inj lines due next in 100 hours or line clamp moved.		
— I certify that this Phgine has been inspected in accordance with an	-	+
100 hour engine Inspection and has been determined to be airworthy		
		-
A+P 175037 (Signature: Thomas a Surety -		
11-6-13 Tach + TT 1486.1		
changed oild filt inspected of	ilter noy	ne fal
found. Filled W 8 9.45 15WD Aero	shell leah	ch of
		-

-	
DATE	TIME RUN TIME SINCE OVERHAUL  HRS. MIN. HRS. MIN.  TIME RUN TIME SINCE INSTALLATIONS, INSPECTIONS,  NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLE
	HRS. MIN. HRS. MIN.
BROUGHT	Guntly Aircraft N889DS
FORWARD	Tach Time 1525.8 Total Time 1525.8 TSOH:
	- Turn a 70/90 3 70/90 A-75/80 changed oil and oil filter,
	inspection of fuel Inj lines due next in 100 hours of line stamp
	I certify that this $eqqne$ has been inspected in accordance with an
	100 hour Inspection and has been determined to be airworthy
	condition. Adp 1756321 Signature: Thromas a Thursts
	Guntly Aircraft N889DS 7/30/2014
	Tach Time 1581.9 Total Time TSOH: 0
	changed oil & filter filled with Phil 20W50 oil and new filter#
	48110 run up OK no leaKs detected Thomas Limb A
	grantsa sturl A
	Guntly Aircraft N889DS 9/29/2014
	Cultity Aliciait Nooses
	Compression check all 75/80 and above changed oil and filte changed oil and oil filter, installed new filter filled with Aeroshell 15W50 oil filter inspected found no metal checked intake and exhaust systems, checked heat muff, checked controls and control linkages. CW AD 11-26-04 by inspection of fuel Inj lines due next in
	100 hours or line clamp moved.
	I certify that this PN gible has been inspected in accordance with an
	100 hour Inspection and has been determined to be airworthy
	condition.
	175037/ Signature: Thomas a Sunty
	Guntly Aircraft N889DS 1/22/2015
	Tach Time 1725.5 Total Time 1725.5 TSOH:
	Compression check 1-78/80 2-79/80 3-78/80 4-77/80 changed oil
	and oil filter, installed new filter filled with Phil 20W50 XC oil filter
	inspected found no metal checked intake and exhaust systems,
	checked heat muff, checked controls and control linkages. CW AD
	11-26-04 by inspection of fuel Inj lines due next in 100 hours or line
	clamp moved.
	I certify that this Progine has been inspected in accordance with an
	100 hour engine Inspection and has been determined to be airworthy
	condition.
	AND 1750321 Signature: Thomas a Stant
TOTAL THIS PAGE	V TO THE STATE OF
TOTAL FROM PREVIOUS SUMMARY	
TOTAL SINCE MFG.	

		-
Guntly Aircraft   N889DS   3/19/2015     Tach Time   1818 TSOH:		
removed left mag had 500 hour inspection completed by CRS KB2R946K WO15113 reinstalled, timed run up OKCompression		
check all 75/80 and above changed oil and filter changed oil and oil		
filter, installed new filter filled with Aeroshell 15W50 oil filter		
inspected found no metal checked intake and exhaust systems, checked heat muff, checked controls and control linkages. CW AD		-
11-26-04 by inspection of fuel Inj lines due next in 100 hours or line	•	
Clamp moved		
I certify that this fing me has been inspected in accordance with an		
100 hour engine Inspection and has been determined to be airworthy		
condition.		
Signature: Thomas & Livery		
		-
Guntly Aircraft N889DS 4/28/2015 —		
Tach Time 1862.7 Total Time ————————————————————————————————————		
changed oil, checked filter, found no metal.	ALDIMO	71
the simil	HAP 17503	61
Guntly Aircraft N889DS 6/1/2015 —		
Tach Time 1913.8 Total Time 1913.8 TSOH:		
Compression check 1-78/80 2-79/80 3-78/80 4-77/80 changed oil		
and oil filter, installed new filter filled with Phil 20W50 XC oil filter		
inspected found no metal checked intake and exhaust systems.		
checked heat muff, checked controls and control linkages. CW AD 11-26-04 by inspection of fuel Inj lines due next in 100 hours or line		
clamp moved.		
■ 1 00 MB		
I certify that this ENAIL has been inspected in accordance with an		
I certify that this engine has been inspected in accordance with an		
100 hour engine Inspection and has been determined to be airworthy	<del> </del>	
100 hour engine Inspection and has been determined to be airworthy	321	
100 hour engine Inspection and has been determined to be airworthy	321	
100 hour engine Inspection and has been determined to be airworthy	321	
Inspection and has been determined to be airworthy  condition.  Signature: Thoms a glory AV 17505		S
Inspection and has been determined to be airworthy  condition.  Signature: Thoms A Lay AN 1750-  -215 Tack 1969 Replaced aft		St
Inspection and has been determined to be airworthy  condition.  Signature: Thoms a glory AV 17505		St
Inspection and has been determined to be airworthy  condition.  Signature: Thoms A Lay AN 1750-  -215 Tack 1969 Replaced aft		St
Inspection and has been determined to be airworthy  condition.  Signature: Thoms A Lay AN 1750-  -215 Tack 1969 Replaced aft	facing le	St
Inspection and has been determined to be airworthy  condition.  Signature: Thoms A Lay AN 1750-  -215 Tack 1969 Replaced aft	facing le	St

\_\_\_\_\_\_HOURS.

TIME RUN TIME SINCE OVERHAUL  HRS. MIN. HRS. MIN.  Curety Aircraft  NR89DS  INSTALLATIONS, INSPECTIONS,  NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE  NR89DS	
HRS. MIN. HRS. MIN.	
BROUGHT Guntly Aircraft N889DS 7/25/2015	, \
FORWARD Tach Time 1956.7 Total Time 1956.7 TSOH: 0	11
Tool Time	1
Operation check of ELT PER FAR 91.207 Para D ELT battery replacement date MAR 2020 checked controls and control linkages, replacement date MAR 2020 checked controls and control linkages,	
replacement date MAR 2020 thecked controls and control controls and control controls and control	
Completed Armain Inspection   per State   Legality that this   Pu = 1   Pu   has been inspected in accordance with an	1
County that the County that have been determined to be airworthy	1
	1
condition.  1756321 Signature: Thorner a Study	1
fall 1730321 - 3 - 2	
9/9/2015	
Guntly Aircraft N889DS	\\ <u>\</u>
Tach Time 2113.4 Total Time 2113.4 13011.	
Compression check 1-77/80 2-76/80 3-77/80 4-74/80 changed oil	
- I Clear installed pow filter filled will Fill 20000 to on most	1
	\ \
	$\overline{}$
11-26-04 by inspection of fuel Inj. lines due flex in 100 meters and	
clamp moved.	
I certify that this $\frac{\mathcal{C}\mathcal{V}g'_{\mathcal{I}}\mathcal{V}e}{\mathcal{V}e}$ has been inspected in accordance with an	T
Inspection and has been determined to be all worthy	\ \
condition.  A P 1758321	
A of 17532	
1) 1 1130721	_
	< T
10 00 11 11 11 11 11 11 11 11 11 11 11 1	_ +
10-22-15 changes oil 4 filt Insported	1
ach 2164. 9 Filter Nometal found , filled	
	_
with Shil zowsuxe oll Installed her Slean	$'$ $\top$
_ boos 1 gung 08 04 0k c/ hons - July Hap 176032)	+
	<b>—</b>
	-
Guntly Aircraft N889DS 11/23/2015	_
Tach Time 2217.6 Total Time 2217.6 TSOH:	
Compression check 1-77/80 2-78/80 3-75/80 4-77/80 changed oil	
and oil filter, installed new filter filled with Phil 20W50 XC oil filter	
inspected found no metal checked intake and exhaust systems,	
checked heat muff, checked controls and control linkages. CW AD	
11-26-04 by inspection of fuel Inj lines due next in 100 hours or	
lines, or clamps moved.	
I certify that this $fhghe$ has been inspected in accordance with an	
100 hour Engine Inspection and has been determined to be airworthy	
Signature: Florida Affi	
PREVIOUS SUMMARY	
TOTAL SINCE MFG.	

Guntly Aircraft N889DS 1/26/2016		-
Tach Time		
Change oil and filter filled with Phil 20W50 removed filter inspected		
for metal none found run up, leak check OK Thomas a Sunty	Adp 1750321	1
has been increasted in eccordance with an	1	-
Guntly Aircraft N889DS 3/3/2016		-
Tach Time 2312.4 Total Time 2312.4 TSOH:		+-
Compression check 1-78/80 2-78/80 3-78/80 4-60/80 changed oil	-	-
and oil filter, installed new filter filled with Phil 20W50 XC oil filter		
inspected found no metal checked intake and exhaust systems,		
checked heat muff, checked controls and control linkages. CW AD		
11-26-04 by inspection of fuel Inj lines due next in 100 hours or lines, or clamps moved.		
I certify that this Giraf + has been inspected in accordance with an		
100 Hour engine Inspection and has been determined to be airworthy		
and district		
Add 1750 371 Signature: Thomas a Sturth		
		-+
Guntly Aircraft N889DS 4/26/2016		
Tach Time 2365.7 Total Time 2365.7 TSOH: 0	-	
Change oil and filter filled with Phil 20W50 removed filter inspected	-	
Far mefal some Find Silver		
For Metal none found runup leah chech ok Thoms a for A+P	10750	
Tean Chech on Thoms a story Hof	1750321	
Guntly Aircraft N889DS 5/20/2016		
Tach Time 2408.9 Total Time 2408.9 TSOH: 0		
Compression check 1-78/80 2-78/80 3-78/80 4-60/80 changed oil		
and oil filter, installed new filter filled with Phil 20W50 XC oil filter		
inspected found no metal checked intake and exhaust systems,		
checked heat muff, checked controls and control linkages. CW AD 11-26-04 by inspection of fuel Inj lines due next in 100 hours or		
lines, or clamps moved.		
I certify that this $engine$ has been inspected in accordance with an		
100 hour Inspection and has been determined to be airworthy		
condition.  ALP 1750321  Signature: Thomas Limits		
A-P1750321 Signature. Thomas a Dunity		

	TIME	RUN	TIME S	SINCE	INSTALLATIONS, INSPECTIONS,
DATE	HRS.	MIN.	HRS.	MIN.	INSTALLATIONS, INSPECTIONS,  NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE.
BROUGHT FORWARD		-			
	0	-41		- NRS	39DS 7/11/2016
		ntly Airc		Total Ti	
	+ <u>-</u>		- shock	1_78/80	2-78/80 3-78/80 #4 replaced with
			- dinder	chanc	and oil and oil filter. Itistalled fiew filter
	- Guar	decide Di	:: 20\A/50	YC oil	filter inspected found no metal checked
	intal	ke and e	xhaust sy	cw Al	checked heat muff, checked controls 11-26-04 by inspection of fuel Inj lines
	due	next in 1	100 hours	or line	s, or clamps moved.
			eng	ine	has been inspected in accordance with an
	$\top$	100 hour		Inspec	tion and has been determined to be airworthy
	condi	ition.		- (Sing	natura: PV
	+ 1	2) + b i	7503	/ Sigi	Mons Stringe
	$\vdash$				
	Gunt	y Aircra	ft —	N889	OS 7/26/2016
	Tach T	ime	2530.1 To	otal Time	2530.1 TSOH:
	Installi	ed new	s ignition	park p	lugs, RHM38E Installed new Slick
	start S	SN 1602	7757 Ins	talled r	rebuillt Lt mag SN E02315 4347 Kelly
	OH. R	un up ol		2	0 A Swif Asp 175034
			- 1	7141	-6 A July 19 113034
	_ •	Aircraft		N889D	
	Tech Tin		2602.8 Tol	_mallin	2602 8 TSOH
					-78/80 3-78/80 #4 78/80 changed
					ter filled with Phil 20W50 XC oil filter ————————————————————————————————————
	checked	heat m	uff, chec	ked cor	ntrols and control linkages. CW AD
	11-26-0	4 by ins	pection o	of fuel li	nj lines due next in 100 hours or ——————————————————————————————————
	engine o	ciamps dean	moved. I	Keplao	ed rocker gasket #2 cylinder sprayed
	I certify the		0	40	has been inspected in accordance with an
		00 hour	Ins	pection a	and has been determined to be airworthy
	condition.				
	1.	100		Signatu	18: Thomas a Little
	Hap	175	0321		
				_	
-13 -11	6	740	=H :	26	12.2 Replaced # 2 Culinda
	Duk	6 00	no .	74	be with now installed her
1	Rock	100	couor	100	shet washed Eng down
	1000	100	2001	7 4	
	190	he	hec	40	SGRRIED FORWARD Thom a Shaped A+p1750321
THIS PAGE					
	1	1			
L FROM US SUMMARY					

REPAIRS, ADJUSTMENTS, MODIFICATIONS  ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE
Tuch 2653-6 10-16-16 chang	edod1 af	i)+.
filled with phil zowso xo lun u	p leah che	ch
oh of homo a short Hap	1750321	
Guntly Aircraft         N889DS         12/6/2016           Tach Time         2701.5 Total Time         2701.5 TSOH:		
Compression check 1-78/80 2-78/80 3-78/80 #4 78/80 changed oil and oil filter, installed new filter filled with Phil 20W50 XC oil filter inspected found no metal checked intake and exhaust systems, checked heat muff, checked controls and control linkages. CW AD 11-26-04 by inspection of fuel Inj lines due next in 100 hours or lines, or clamps moved. Replaced rocker gasket #2 cylinder sprayed engine clean.		
I certify that this Engine has been inspected in accordance with an		
100 hour Inspection and has been determined to be airworthy condition.		
Adp 1750321 Signature: Thomas a Shutty		
2-2-11 Tack of TT [148-[ changed 01/4 f.	Iter	
filled with phil zowsoxe oil)	nspected	
filter, no metal found Run up	Jean chech	OK.
Guntly Aircraft N889DS 4/24/2017	•	
Tach Time 2799.9 Total Time 2799.9 TSOH:		
oil and oil filter, installed new filter filled with Phil 20W50 XC oil filter inspected found no metal checked intake and exhaust systems, checked heat muff, checked controls and control linkages. CW AD 11-26-04 by inspection of fuel Inj lines due next in 100 hours or lines, or clamps moved.		
I certify that this fine has been inspected in accordance with an engine 100 hour Inspection and has been determined to be airworthy		
condition. Adp 1750371 Signature: Thomas a Swith	+	
Guntly Aircraft N889DS 8/15/2017 —		
Tach Time 2892.5 Total Time 0 TSOH: 0	,	
Changed oil and filter, filled with Phil 20W50 XC oil run up OK no oil leaks. There a shall be 1750321		
		-

MAXIMUM HOURS BETWEEN OVERHAULS\_\_\_\_\_ HOUR

Tach Time 2894.3 Total Time 2894.3 TSOH: 0  Ompression check 1.7560 2.75680 3.78/80 #4.75/80 changed in and oil filter, installed new filter filled with Phil 20W50 XC oil filter inspected found no metal checked intake and exhaust systems, the checked heat multi, checked controls and control linkages. CW AD 11-26-04 by inspection of fuel in lines due next in 100 hours or inspection for the inspected in accordance with an inspection for the inspected and has been inspected in accordance with an interest of the inspection of the in			<b>Guntly Aircraft</b>	ft - N889DS		8/17/2017	)
MAKE   Lycoming   MODEL   Indigented from the period of th					2894.3 TSOH:	0	
11-26-04 by inspection of fuel Inj lines due next in 100 hours or lines, or clamps moved.  1-26-04 by inspection of fuel Inj lines due next in 100 hours or lines, or clamps moved.  1-26-04 by inspection of fuel Inj lines due next in 100 hours or lines, or clamps moved.  1-26-05 look of the service of the	DATE		oil and oil filter.	, installed new filte	r filled with Phil 2	0W50 XC oil filter	OR COMP.
Inlines, or clarinps moved.  Lordiffy that this interpetion and has been inspected in accordance with an 100 hour condition.  At \$175.63.21  Signature: Jumes a Jumes Park of the Polymon of Polymon of Polymon of Polymon of the Polymon of Polymon		HKS. MIT	checked heat r	nuff, checked conti	ols and control li	nkages. CW AD	TETE TETE
Total Time  Lycoming  MAKE  Lycoming  MODEL  Josephan  Losson-MIA  SIN  Losses-151E  Total Time  2,996.20  Hours  Time Since Major Overhaul  ZERO  Hours  ZERO  Hours  Time Since Major Overhaul  ZERO  Hours  Time Since Major Overhaul  ZERO  Hours  ZERO  Hours  Time Since Major Overhaul  ZERO  Hours  ZERO  Hours  Time Since Major Overhaul  ZERO  Hours  ZERO  Hours  ZERO  Hours  ZERO  Hours  Time Since Major Overhaul  ZERO  Hours  ZERO	FORWARD		lines, or clamp	-			
MAKE Lycoming MODEL 10-360-M1A S/N L-33891-51E Total Time 2,966.20 Hours Time Since Major Overhaul See per the manufacturer's current overhaul manual 60294.7 A detailed post is tis on file at this agency. The following coessories were overhauled or exchanged. See maintenance releases in this logbook.  Installed camshaft, PN 15M23455, repaired by Aircraft Specialties. Installed may PIN LRT23381 tappets from stalled camshaft, PN 15M23455, repaired by Aircraft Specialties. Installed may PIN LRT23381 tappets from stalled camshaft, PN 15M23455, repaired by Aircraft Specialties. Installed may PIN LRT23381 tappets from 17M250791, and right PIN 4370 SN 18020390, new from Champion Aerospace. Installed fuel pump PIN AF 19M 57K21104 new from Lycoming. Installed fuel pump PIN AF 19M 57K21104 new from Lycoming. Installed fuel pump PIN AF 19M 57K21104 new from Lycoming. Installed fuel pump PIN AF 19M 57K21104 new from Lycoming. Installed fuel pump PIN AF 19M 57K21050791, and right PIN 4370 SN 18020390, new from Champion Aerospace. Installed fuel pump PIN AF 19M 57K21050791, and right PIN 4370 SN 18020390, new from Champion Aerospace. Installed fuel pump PIN AF 19M 57K21050791, and right PIN 4370 SN 18020390, new from Champion Aerospace. Installed fuel pump PIN AF 19M 57K50791, and right PIN 4370 SN 18020390, new from Champion Aerospace. Installed fuel pump PIN AF 19M 57K50791, and right PIN 4370 SN 18020390, new from Champion Aerospace. Installed fuel pump PIN AF 19M 57K50791, and right PIN 4370 SN 18020390, new from Champion Aerospace. Installed fuel pump PIN AF 19M 57K50791, and right PIN 4370 SN 18020390, new from Champion Aerospace. Installed fuel pump PIN AF 19M 57K50791, and right PIN 4370 SN 18020390, new from Champion Aerospace Archaete Champion Aerospace Archaete Champion Aerospace Archaete Champion Aerospace Archaete Champion Aerospace Ae							
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Time Since Major Overhaul ZERO Hours Time Since Major Overhaul ZERO Hours This engine was disassembled, cleaned, inspected and reassembled with necessary new parts in accordance with a major overhaul sper the manufacturer's current overhaul manual 60/294-7 A detailed parts list is on file at this agency. The following coessories were overhauled or exchanged. See maintenance releases in this logbook. Installed campander overhauled see exchanged. See maintenance releases in this logbook. Installed campander overhauled see exchanged. See maintenance releases in this logbook. Installed campander overhauled see exchanged. See maintenance releases in this logbook. Installed campander overhauled see exchanged. See maintenance releases in this logbook. Installed amagnetos, left P/N 4378-75/N 180200399, new from Champion Acrospace. Installed fuel pump P/N 4747-75/N 17050791, and right P/N 4378-75/N 180200399, new from Champion Acrospace. Installed fuel pump P/N 4747-75/N 17050791, and right P/N 4378-75/N 180200399, new from Champion Acrospace. Installed fuel pump P/N 4747-75/N 17050791, and right P/N 4378-75/N 180200399, new from Champion Acrospace. Installed fuel pump P/N 4747-75/N 180200399, new from Champion Acrospace. Installed fuel pump P/N 4747-75/N 18020399, new from Champion Acrospace. Installed fuel pump P/N 4747-75/N 18020399, new from Champion Acrospace. Installed fuel pump P/N 4747-75/N 18020399, new from Champion Acrospace. Installed fuel pump P/N 4747-75/N 18020399, new from Champion Acrospace. Installed fuel pump P/N 4747-75/N 18020399, new from Champion Acrospace. Installed fuel pump P/N 4747-75/N 18020399, new from Champion Acrospace. Installed fuel pump P/N 4747-75/N 1802039, new from Champion Acrospace. Installed fuel pump P/N 4747-75/N 1802039, new from Champion Acrospace. Installed fuel pump P/N 4747-75/N 1802039, new from Champion Acrospace. Installed fuel pump P/N 4747-75/N 1802039, new from Champion Acrospace. Installed fuel pump P/N 4747-75/N 1802039, new from Champion Acrospace. Installed fuel				MODEL	10,000,1444	C/N + coor	_
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coessories were overhauled or exchanged. See maintenance releases in this logbook.  statalled camshaft, P/N 15M23455, repaired by Aircraft Specialities. Installed new P/N LRT23381 tappets from sycoming. Installed cylinder kits, P/N 05K21104 new from Lycoming. Installed magnetos, left P/N 4347,S/N 7050791, and right P/N 4370 S/N 18020309, new from Champion Aerospace. Installed fuel pump P/N AF 15473 every found by Avstar Fuel Systems. Supplied RSA-5AD1 fuel servo P/N 2576564-1, S/N 01943252, overhauled by Avstar Fuel Systems. Supplied RSA-5AD1 fuel servo P/N 2576564-1, S/N 70203608 overhauled by Avstar Fuel Systems. Supplied new starter model no. 149-24LS, S/N H-S022723, from Hartzell Engine Technologies. See A.D. Compliance Record and Parts List for more details.  Interpolation of the Federal Aviation Administration and is approved for return to service for the ork performed. Pertinent details of Repair are on file at this Repair Station under work order:  Work Order # 9172 Date 15/May/2018  Popplar Grove Airmotive, Inc.  Direct Action Aviation, LLC  Work Order # 9172 Date 15/May/2018  Direct Action Aviation, LLC  Aka Approved Repair Station #YYBR664L  Direct Action Aviation, LLC  Powerplant  Akreaft: DA 40, N89005 S/N 40,889 Date: 11/21/2022  Englies/Shr. L33891-51E  Propellers/Shr. NS3418  Tite: 2996.2  Tite:	s per the manufac	turer's current over	rhaul manual	60294-7 A c	etailed parts list is on	file at this agency. The fo	ollowing
Torry Avang  Direct Action Aviation, LLC  Powerplant  Alroy A Approved Repair Station #YYBR664L  Direct Action Aviation, LLC  Powerplant  Alroy Beaging Station #YYBR664L  Direct Action Aviation, LC  Powerplant  Alroy Beaging Station #YYBR664L  Direct Action Aviation, LC  Powerplant  Alroy Beaging Station #YYBR664L  Direct Action Aviation, LC  Powerplant  Alroy Beaging Station #YYBR664L  Direct Action Aviation, LC  Powerplant  Alroy Beaging Station #YYBR664L  Direct Action Aviation, LC  Powerplant  Alroy Beaging Station #YYBR664L  Direct Action Aviation, LC  Powerplant  Alroy Beaging Station #YYBR664L  Direct Action Aviation, LC  Powerplant  Alroy Beaging Station #YYBR664L  Direct Action Aviation, LC  Powerplant  Alroy Beaging Station #YYBR664L  Direct Action Aviation, LC  Powerplant  Alroy Beaging Station #YYBR664L  Direct Action Aviation, LC  Powerplant  Alroy Beaging Station #YYBR664L  Direct Action Aviation, LC  Powerplant  Alroy Beaging Station #YYBR664L  Direct Action Aviation, LC  Powerplant  Alroy Beaging Station #YYBR664L  Direct Action Aviation, LC  Powerplant  Alroy Beaging Station #YYBR664L  Direct Action Aviation, LC  Powerplant  Alroy Beaging Station #YYBR664L  Direct Action Aviation, LC  Powerplant  Alroy Beaging Station #YYBR664L  Direct Action Aviation, LC  Powerplant  Alroy Beaging Station #YYBR664L  Direct Action Aviation, LC  Powerplant  Alroy Beaging Station #YYBR664L  Direct Action Aviation, LC  Powerplant  Alroy Beaging Station #YYBR664L  Direct Action Aviation, LC  Powerplant  Alroy Beaging Station #YYBR664L  Direct Action Aviation, LC  Powerplant  Alroy Beaging Station #YYBR664L  Direct Action Aviation, LC  Powerplant  Alroy Beaging Station #YYBR664L  Direct Action Aviation, LC  Powerplant  Alroy Beaging Station #YYBR664L  Direct Action Aviation, LC  Powerplant  Alroy Beaging Station #YYBR664L  Direct Action Aviation, LC  Powerplant  Alroy Beaging Station #YYBR664L  Direct Action Aviation, LC  Powerplant  Alroy Beaging Station #YYBR664L  Direct Action Aviation, LC  Powerplant  Alroy Beag	ccessories were o	verhauled or excha	anged. See maintena	ince releases in this loop	ook.		· ·
ycoming. Installed cylinder kits, PN USX1104 new from Lycoming. Installed magnetos, lett PIN 4347,SIN 17050791, and right PIN 4370 SIN 18020309, new from Champion Aerospace. Installed let pump PIN AF 15473 new from Tempest. Installed flow divider P/N 2576564-1, S/N 0194325, overhauled by Avstar Fuel Systems. Supplied RSA-SAD1 fuel servo P/N 2576568-1, S/N 70203608 overhauled by Avstar Fuel Systems. Supplied RSA-SAD1 fuel servo P/N 2576568-1, S/N 70203608 overhauled by Avstar Fuel Systems. Supplied new starter model no. 149-24L9, S/N H-S022723, from Hartzell Engine Technologies. See A.D. Compliance Record and Parts List for more details	nstalled cams	haft, P/N 15M2	3455, repaired b	by Aircraft Specials	ies. Installed ne	w P/N LRT23381 ta	ppets from
Tosofy91, and right P/N 4370 s/N 1802/0309, new from Champion Aerospace. Installed trule jump P/N AF 15473	vcoming. Ins	talled cylinder	r kits. P/N 05K2	1194 new from Lv	coming. Installe	u magnetos, left P/	N 4347 On.
Supplied RSA-5AD1 fuel servo P/N 2576568-1, S/N 70203608 overhauled by Avstar Fuel Systems. Supplied RSA-5AD1 fuel servo P/N 2576568-1, S/N 70203608 overhauled by Avstar Fuel Systems. Supplied new starter model no. 149-24LS, S/N H-S022723, from Hartzell Engine Technologies. See A.D. Compliance Record and Parts List for more details.  —END——————————————————————————————————	7050791, and	right P/N 4370	S/N 18020309. r	new from Champio	n Aerospace. Ins	stalled fuel pump P/	N AE 1543a
Supplied RSA-SAD1 fuel servo P/N 2576568-1, S/N 70203608 overhauled by Avstar Fuel Systems. Supplied new tatarter model no. 149-24LS, S/N H-S022723, from Hartzell Engine Technologies. See A.D. Compliance Record and Parts List for more details.  —END——————————————————————————————————	new from Tem	pest. Installed	d flow divider P	/N 2576564-1. S/N	0194325, overha	uled by Avstar Fue	System
his engine was test run in an FAA approved test cell and mets specifications. The aircraft engine identified above was repaired not inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the rork performed. Pertinent details of Repair are on file at this Repair Station under work order:  Work Order # 9172 Date 15/May/2018  Poplar Grove Airmotive, Inc.  Poplar Grove Airmotive, Inc.  Poplar Grove Airmotive, Inc.  Signed for Poplar Grove Airmotive, Inc.  Direct Action Aviation, LLC  Powerplant  Aircraft: DA 40, N88905 S/N: 40.889 Date: 11/21/2022  Aircraft TT: 296.2 Tach: 296.2 bobbs: 3714.9 Propeller 5/N: N53418  TTE: 2996.2 TTP: 2996.2  SOH: 0 SPOH UNK  1 C/W CFR 6 91.409 Annual Inspection 2 Installed Overhauled Engine 10-560-M1A SN: L-33891-51E. Overhaul Completed by Poplar Grove Airmotive CR58: YYBR664L 3 C/W CFR 6 91.209 (A) Annual Inspection of ELT: No Defects Noted 4 Replaced Fowerfoot cables connection of ELT: No Defects Noted 5 Replaced Sections of SCAT tubing in engine area. 6 Rigged Air. Air control cable connection Cable connection Cable connection Cable connection Cable Connection. 7 Rigged Throttle, Mixture, and Propeller controls 8 Removed, cleaned and reinstalled Grigine Air filter. 9 C/W AD 2015-1907-Fuel Filector tubes and clamps. C/W AD 2005-02-03 - RSA fuel Servo Pug.  This Annual inspection was completed LW the items listed in 14 CFR Part 43 Appendix D. All Inspections, work, and repairs were completed using the appropriate Manufacturers Maintance Manual, Structural repair manual, and standard practices. The Airtrafter, Powerplant, Propeller, and Appliances identified above are hereby returned to service per the work performed.	Supplied RSA-	5AD1 fuel serv	o P/N 2576568-1	, S/N 70203608 ove	rhauled by Avsta	ır Fuel Systems. Su	polied ne.
this engine was test run in an FAA approved test cell and meets specifications. The aircraft engine identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the vork performed. Pertinent details of Repair are on file at this Repair Station under work order:  Work Order # 9172 Date 15/May/2018  Poplar Grove Airmotive, Inc.  Poplar Grove Airmotive, Inc.  Poplar Grove Airmotive, Inc.  Direct Action Aviation, LLC  Powerplant  Aircraft: DA 40, N889DS S/N: 40.889 Date: 11/21/2022  Aircraft TT: 2996.2 Tach: 2996.2 Hobbs: 3714.9  Engine S/N: L-33891-51E Propeller s/N: NS3418  TTF: 2996.2 TTC: 2996.2 SPOH UNK  1 C/W CFR § 19.409 Annual Inspection 2 Installed Overhauled Engine (D-360-MIA SN: L-33891-51E. Overhaul Completed by Poplar Grove Airmotive CRS#: YYBR664L 3 C/W CFR § 19.10/10 Annual Inspection of ELT - No Defects Noted 4 Replaced PowerFlow Exhaust Downpipe Hardware, Neoprene Strap, Clamp PN: 8031D, and H/W Kits PNs: 10362, 10360 5 Replaced sections of ScAT tubing in engine area. 8 Rigged Alt. Air control cable connection. 7 Rigged Throttle, Mixture, and Propeller controls 8 Removed, cleaned and reinstalled Engine Air filter. 9 C/W AD 2015-19-07 - Fuel injector tubes and clamps. C/W AD 2015-19-07 - Fuel injector tubes and clamps. C/W AD 2015-19-07 - Fuel injector tubes and clamps. C/W AD 2015-19-07 - Fuel injector tubes and clamps. C/W AD 2015-19-07 - Fuel injector tubes and clamps. C/W AD 2015-19-07 - Fuel injector tubes and clamps. C/W AD 2015-19-07 - Fuel injector tubes and clamps. C/W AD 2015-19-07 - Fuel injector tubes and clamps. C/W AD 2015-19-07 - Fuel injector tubes and clamps. C/W AD 2015-19-07 - Fuel injector tubes and clamps. C/W AD 2015-19-07 - Fuel injector tubes and clamps. C/W AD 2015-19-07 - Fuel injector tubes and clamps. C/W AD 2015-19-07 - Fuel injector tubes and clamps. C/W AD 2015-19-07 - Fuel injector tubes and clamps. C/W AD 2015-19-07 - Fuel injector tubes and clamps. C/W AD 2015-19-0	starter model r	no. 149-24LS, S	S/N H-S022723,	from Hartzell Engi	ne Technologies	See A.D. Complian	ice Record
this engine was test run in an FAA approved test cell and meets specifications. The aircraft engine identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the vork performed. Pertinent details of Repair are on file at this Repair Station under work order:  Work Order # 9172 Date 15/May/2018  Poplar Grove Airmotive, Inc.  Poplar Grove Airmotive, Inc.  Direct Action Aviation, LLC  Powerplant  Aircraft: DA 40, N889DS Signed for Poplar Grove Airmotive, Inc.  Powerplant  Aircraft: DA 40, N889DS Signed for Poplar Grove Airmotive, Inc.  Powerplant  Aircraft: DA 40, N889DS Signed for Poplar Grove Airmotive, Inc.  Powerplant  Aircraft: DA 40, N889DS Signed for Poplar Grove Airmotive, Inc.  Propeller 5/N: N53418  TTe: 2996.2 SPOH UNK  1 C/W CRR 9 91.409 Annual inspection  1 C/W CRR 9 91.409 Annual inspection of ELT - No Defects Noted  Replaced Everifies Activation Evaluation Complete Part Aircraft (Septice Aircraft Complete Part Aircraft Complete Strap, Clamp PN: 8031D, and H/W Kits PN: 10362, 10360  Replaced Sections of SCAT tubing in engine area.  Rigged Throttle, Mixture, and Propeller controls  Removed, cleaned and reinstalled Engine Air filter.  9 C/W AD 2015-19-07 - Fuel injector tubes and clamps.  C/W AD 2005-19-07 - Fuel injector tubes and clamps.  C/W AD 2005-19-07 - Fuel injector tubes and clamps.  C/W AD 2005-19-07 - Fuel injector tubes and clamps.  C/W AD 2005-19-07 - Fuel injector tubes and clamps.  C/W AD 2005-19-07 - Fuel injector tubes and clamps.  C/W AD 2005-19-07 - Fuel injector tubes and clamps.  C/W AD 2005-19-07 - Fuel injector tubes and clamps.  C/W AD 2005-19-07 - Fuel injector tubes and clamps.  C/W AD 2005-19-07 - Fuel injector tubes and clamps.  C/W AD 2005-19-07 - Fuel injector tubes and clamps.  C/W AD 2005-19-07 - Fuel injector tubes and clamps.  C/W AD 2005-19-07 - Fuel injector tubes and clamps.  C/W AD 2005-19-07 - Fuel injector tubes and clamps.  C/W AD 2005-19-07 - Fuel injector	ind Parts List f	for more details	s	END			- 1.00014
Mork Order # 9172 Date 15/May/2018  Work Order # 9172 Date 15/May/2018  Poplar Grove Airmotive, Inc.  Direct Action Aviation, LLC  Powerplant  Aircraft: DA 40, N889DS SHroaft TT: 2996.2 Tach: 2996.2 Hobbs: 3714.9  Engine S/N: L33891-51E Propeller S/N: N341B TTP: 2996.2  SOH: 0  C/W CFR § 91.409 Annual Inspection  Installed Overhauled Engine IO-360-M1A.SN: L-33891-51E. Overhaul Completed by Poplar Grove Airmotive CRSI: YYBR664L  C/W CFR § 91.207 (a) Annual Inspection of ELT - No Defects Noted  A Replaced Powerflow Exhaust Downpipe Hardware, Neoprene Strap, Clamp PN: 8031D, and H/W Kits PNs: 10362, 10360  Replaced Powerflow Engine Inc.  Rigged Throttle, Mixture, and Propeller controls  Removed, cleaned and reinstalled Gingine Air filter.  C/W AD 2009-02-03 - RSA fuel Servo plug.  This Annual inspection was completed IAW the items listed in 14 CFR Part 43 Appendix D.  All Inspections, work, and repairs were completed using the appropriate Manufacturers  Maintance Manual, Structural repair manual, and standard practices. The Airframe, Powerplant, Propeller, and Appliances Identified above are hereby returned to service per the work performed.							_
Work Order # 9172 Date 15/May/2018  Poplar Grove Airmotive, Inc.  Poplar Grove Airport, Poplar Grove, IL AA Approved Repair Station #YYBR664L  Direct Action Aviation, LLC  Powerplant  Alreaft: DA 40, N889DS Aircaft TT: 2996.2 Tach: 2996.2 Hobbs: 3714.9  Engine 5/N: 1-33891-51E  Propeller 5/N: NS341B  TIE: 2996.2 Titp: 2996.2 SPOH UNK  1 C/W CFR 6 91.409 Annual Inspection 2 Installed Overhauled Engine IO-360-M1A SN: L-33891-51E. Overhaul Completed by Poplar Grove Airmotive CRS#: YYBR664L 3 C/W CFR 6 91.207 (d) Annual Inspection of EtT - No Defects Noted 4 Replaced PowerFlow Exhaust Downpipe Hardware, Neoprene Strap, Clamp PN: 8031D, and H/W Kits PNs: 10362, 10360 5 Replaced PowerFlow Exhaust Downpipe Hardware, Neoprene Strap, Clamp PN: 8031D, and H/W Kits PNs: 10362, 10360 6 Rigged Alt. Air control cable connection. 7 Rigged Throttle, Mixture, and Propeller controls 8 Removed, cleaned and reinstalled Engine Air filter. 9 C/W AD 2009-02-03 - RSA fuel Servo plug. This Annual Inspection was completed IAW the items listed in 14 CFR Part 43 Appendix D. All Inspections, work, and repairs were completed using the appropriate Manufacturers Maintance Manual, Structural repair manual, and standard practices. The Airframe, Powerplant, Propeller, and Appliances Identified above are hereby returned to service per the work performed.	his engine was tes	st run in an FAA ap	proved test cell and	meets specifications. The	e aircraft engine ident	fied above was repaired	
Work Order # 9172 Date 15/May/2018  Poplar Grove Airmotive, Inc.  Poplar Grove Airport, Poplar Grove, IL AA Approved Repair Station #YYBR664L  Signed for Poplar Grove Airmotive, Inc.  Direct Action Aviation, LLC  Powerplant  Aircraft: Da 40, N889DS Aircraft: 2996.2 Tach: 2996.2 Hobbs: 3714.9  Engine S/N: L-33891-51E Propeller S/N: N5341B  TTE: 2996.2 TTP: 2996.2  SOH: 0 SPOH UNK  1 C/W CFR § 91.409 Annual Inspection 2 Installed Overhauled Engine 10-360-M1A SN: L-33891-51E. Overhaul Completed by Poplar Grove Airmotive CRS#: YYBR664L 3 C/W CFR § 91.207 (d) Annual Inspection of ELT - No Defects Noted 4 Replaced PowerFlow Exhaust Downpipe Hardware, Neoprene Strap, Clamp PN: 8031D, and H/W Kits PNs: 10362, 10360  Replaced Sections of SCAT tubing in engine area. 6 Rigged Alt. Air control cable connection. 7 Rigged Throttle, Mixture, and Propeller controls 8 Removed, cleaned and reinstalled Engine Air filter. 9 C/W AD 2009-02-03 - RSA fuel Servo plug.  This Annual inspection was completed IAW the items listed in 14 CFR Part 43 Appendix D. All inspections, work, and repairs were completed using the appropriate Manufacturers Maintance Manual, Structural repair manual, and standard practices. The Airframe, Powerplant, Propeller, and Appliances Identified above are hereby returned to service per the work performed.	nd inspected in ac	cordance with curr	ent regulations of the	Federal Aviation Admin	istration and is approv	ed for return to service for	r the
Poplar Grove Airmotive, Inc.  Poplar Grove Airport, Poplar Grove, IL  AA Approved Repair Station #YYBR664L  Powerplant  Aircraft: DA 40, N889DS  Aircraft TT: 2996.2  Engine 5/N: -33891-51E  Fropeller 5/N: NS341B  TTF: 2996.2  SPOH UNK   1 C/W CFR § 91.409 Annual Inspection  2 Installed Overhauled Engine 10-360-M1A SN: L-33891-51E. Overhaul Completed by Poplar Grove Airmotive CRS#: YYBR664L  3 C/W CFR § 91.207 (d) Annual Inspection of ELT - No Defects Noted  4 Replaced PowerFlow Eshauts Downjope Hardware, Neoprene Strap, Clamp PN: 8031D, and H/W Kits PNs: 10362, 10360  5 Replaced Sections of SCAT tubing in engine area.  6 Rigged Alt. Air control cable connection.  7 Rigged Alt. Air control cable connection.  8 Removed, cleaned and reinstalled Engine Air filter.  9 C/W AD 2015-19-07 - Fuel injector tubes and clamps.  C/W AD 2015-19-07 - Fuel injector tubes and clamps.	ork performed. Pe	ertinent details of R	epair are on file at th	is Repair Station under v	ork order:		-
Poplar Grove Airport, Poplar Grove, IL  AA Approved Repair Station #YYBR664L  Powerplant  Aircraft: DA 40, N889DS Aircraft Tf: 2996.2  Aircraft: DA 40, N889DS Aircraft Tf: 2996.2  Engine 5/N: L-33891-51E  Propeller 5/N: N5341B  TTE: 2996.2  SOH: 0  SPOH UNK   1 C/W CFR \$91.409 Annual Inspection 2 Installed Overhauled Engine 10-360-M1A SN: L-33891-51E. Overhaul Completed by Poplar Grove Airmotive CRS#: YYBR664L 3 C/W CFR \$91.207 (cl) Annual Inspection of ELT - No Defects Noted 4 Replaced Powerflow Exhaust Downpile Hardware, Neoprene Strap, Clamp PN: 8031D, and H/W Kits PNs: 10362, 10360 5 Replaced Powerflow Exhaust Downpile Hardware, Neoprene Strap, Clamp PN: 8031D, and H/W Kits PNs: 10362, 10360 6 Rigged Alt. Air control cable connection. 7 Rigged Throttle, Mixture, and Propeller controls 8 Removed, cleaned and reinstalled Engine Air filter. 9 C/W AD 2015-190-7 Fuel injector tubes and clamps. C/W AD 2009-02-03 - RSA fuel Servo plug.  This Annual inspection was completed IAW the items listed in 14 CFR Part 43 Appendix D. All inspections, work, and repairs were completed using the appropriate Manufacturers Maintance Manual, Structural repair manual, and standard practices. The Airframe, Powerplant, Propeller, and Appliances Identified above are hereby returned to service per the work performed.				Work Order #	9172	<b>Date</b> 15/May/201	8
Powerplant Aircraft: DA 40, N889DS Aircraft TI: 2996.2 Engine 5/N: L-33891-51E Propeller 5/N: NS341B TTE: 2996.2 SOH: 0  C/W CFR § 91.409 Annual Inspection 2 Installed Overhauled Engine IO-360-M1A SN: L-33891-51E. Overhaul Completed by Poplar Grove Airmotive CRS#; YYBR664L 3 C/W CFR § 91.207 (d) Annual Inspection 2 Installed Overhauled Engine IO-360-M1A SN: L-33891-51E. Overhaul Completed by Poplar Grove Airmotive CRS#; YYBR664L 4 Replaced PowerFlow Exhaust Downpipe Hardware, Neoprene Strap, Clamp PN: 8031D, and H/W Kits PNs: 10362, 10360 5 Replaced sections of SCAT tubing in engine area. 6 Rigged Alt. Air control cable connection. 7 Rigged Throttle, Mixture, and Propeller controls 8 Removed, cleaned and reinstalled Engine Air filter. 9 C/W AD 2015-19-07 - Fuel injector tubes and clamps. C/W AD 2009-02-03 - RSA fuel Servo plug. This Annual inspection was completed IAW the items listed in 14 CFR Part 43 Appendix D. All inspections, work, and repairs were completed using the appropriate Manufacturers Maintance Manual, Structural repair manual, and standard practices. The Airframe, Powerplant, Propeller, and Appliances Identified above are hereby returned to service per the work performed.	Poplar Grove	Airmotive,	Inc.				
Direct Action Aviation, LLC  Powerplant  Aircraft T: 2996.2 Fach: 2996.2 Hobbs: 3714.9  Engine 5/N: L-33891-51E Propeller 5/N: NS341B  TTE: 2996.2 TTP: 2996.2  SPOH UNK  1 C/W CFR § 91.409 Annual Inspection 2 Installed Overhauled Engine IO-360-M1A SN: L-33891-51E. Overhaul Completed by Poplar Grove Airmotive CRSIF: YYBR664L 3 C/W CFR § 91.207 (d) Annual Inspection of ELT - No Defects Noted 4 Replaced PowerFlow Exhaust Downpipe Hardware, Neoprene Strap, Clamp PN: 8031D, and H/W Kits PNs: 10362, 10360 5 Replaced Sections of SCAT tubing in engine area. 6 Rigged Alt. Air control cable connection. 7 Rigged Throttle, Mixture, and Propeller controls 8 Removed, cleaned and reinstalled Engine Air filter. 9 C/W AD 2015-19-07 - Fuel injector tubes and clamps. C/W AD 2009-02-03 - RSA fuel Servo plug.  This Annual inspection was completed IAW the Items listed in 14 CFR Part 43 Appendix D. All inspections, work, and repairs were completed using the appropriate Manufacturers Maintance Manual, Structural repair manual, and standard practices. The Airframe, Powerplant, Propeller, and Appliances Identified above are hereby returned to service per the work performed.	oplar Grove Air	port, Poplar Gro	ove, IL	Te	ry Aavang 🏒	~ Acol	
Alrcraft: DA 40, N889DS  Alrcraft TT: 2996.2  Engine S/N: L33891-51E  Engine S/N: L33891-51E  TTE: 2996.2  SPOH UNK   1	AA Approved R	epair Station #Y	YBR664L		Signed for Popla	r Grove Airmotive, Inc.	_  -
Aircraft: DA 40, N889DS  Aircraft TT: 2996.2  Engine 5/N: L-33891-51E  Engine 5/N: L-33891-51E  TTP: 2996.2  SPOH UNK   1		1					
Aircraft: DA 40, N889DS Aircraft TT: 2996.2  Engine 5/N: L-33891-51E  Engine 5/N: L-33891-51E  TTP: 2996.2  SPOH UNK   1	Direct Acti	on Aviation. LL	С				
Alrcraft TT: 2996.2 Tach: 2996.2 Hobbs: 3714.9  Engine 5/N: L-33891-51E Propeller S/N: NS341B  TTE: 2996.2 TTP: 2996.2  SOH: 0 SPOH UNK   1 C/W CFR § 91.409 Annual Inspection 2 Installed Overhauled Engine IO-360-M1A SN: L-33891-51E. Overhaul Completed by Poplar Grove Airmotive CRS#: YYBR664L 3 C/W CFR § 91.207 (d) Annual Inspection of ELT - No Defects Noted 4 Replaced PowerFlow Exhaust Downpipe Hardware, Neoprene Strap, Clamp PN: 8031D, and H/W Kits PNs: 10362, 10360 5 Replaced sections of SCAT tubing in engine area. 6 Rigged Alt. Air control cable connection. 7 Rigged Throttle, Mixture, and Propeller controls 8 Removed, cleaned and reinstalled Engine Air filter. 9 C/W AD 2015-19-07 - Fuel injector tubes and clamps. C/W AD 2009-02-03 - RSA fuel Servo plug.  This Annual inspection was completed IAW the items listed in 14 CFR Part 43 Appendix D. All inspections, work, and repairs were completed using the appropriate Manufacturers Maintance Manual, Structural repair manual, and standard practices. The Airframe, Powerplant, Propeller, and Appliances Identified above are hereby returned to service per the work performed.							
Engine 5/N: L-33891-51E TTE: 2996.2 SOH: 0 SPOH UNK  1 C/W CFR § 91.409 Annual Inspection 2 Installed Overhauled Engine 10-360-M1A SN: L-33891-51E. Overhaul Completed by Poplar Grove Airmotive CRS#: YYBR664L 3 C/W CFR § 91.207 (d) Annual Inspection of ELT - No Defects Noted 4 Replaced PowerFlow Exhaust Downpipe Hardware, Neoprene Strap, Clamp PN: 8031D, and H/W Kits PNs: 10362, 10360 5 Replaced sections of SCAT tubing in engine area. 6 Rigged Alt. Air control cable connection. 7 Rigged Throttle, Mixture, and Propeller controls 8 Removed, cleaned and reinstalled Engine Air filter. 9 C/W AD 2015-19-07 - Fuel injector tubes and clamps. C/W AD 2009-02-03 - RSA fuel Servo plug.  This Annual inspection was completed IAW the items listed in 14 CFR Part 43 Appendix D. All inspections, work, and repairs were completed using the appropriate Manufacturers Maintance Manual, Structural repair manual, and standard practices. The Airframe, Powerplant, Propeller, and Appliances Identified above are hereby returned to service per the work performed.			-	<b>5/N</b> : 40.889	Date:	11/21/2022	
TTE: 2996.2  SOH: 0 SPOH UNK  1 C/W CFR § 91.409 Annual Inspection 2 Installed Overhauled Engine IO-360-M1A SN: L-33891-51E. Overhaul Completed by Poplar Grove Airmotive CRS#: YYBR664L 3 C/W CFR § 91.207 (d) Annual Inspection of ELT - No Defects Noted 4 Replaced PowerFlow Exhaust Downpipe Hardware, Neoprene Strap, Clamp PN: 8031D, and H/W Kits PNs: 10362, 10360 5 Replaced sections of SCAT tubing in engine area. 6 Rigged Alt. Air control cable connection. 7 Rigged Throttle, Mixture, and Propeller controls 8 Removed, cleaned and reinstalled Engine Air filter. 9 C/W AD 2015-19-07 - Fuel injector tubes and clamps. C/W AD 2009-02-03 - RSA fuel Servo plug.  This Annual inspection was completed IAW the items listed in 14 CFR Part 43 Appendix D. All inspections, work, and repairs were completed using the appropriate Manufacturers Maintance Manual, Structural repair manual, and standard practices. The Airframe, Powerplant, Propeller, and Appliances Identified above are hereby returned to service per the work performed.						3714.9	
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Installed Overhauled Engine IO-360-M1A SN: L-33891-51E. Overhaul Completed by Poplar Grove Airmotive CRS#: YYBR664L  C/W CFR § 91.207 (d) Annual Inspection of ELT - No Defects Noted  Replaced PowerFlow Exhaust Downpipe Hardware, Neoprene Strap, Clamp PN: 8031D, and H/W Kits PNs: 10362, 10360  Replaced sections of SCAT tubing in engine area.  Rigged Alt. Air control cable connection.  Rigged Throttle, Mixture, and Propeller controls  Removed, cleaned and reinstalled Engine Air filter.  C/W AD 2015-19-07 - Fuel injector tubes and clamps.  C/W AD 2009-02-03 - RSA fuel Servo plug.  This Annual inspection was completed IAW the items listed in 14 CFR Part 43 Appendix D.  All inspections, work, and repairs were completed using the appropriate Manufacturers  Maintance Manual, Structural repair manual, and standard practices. The Airframe, Powerplant,  Propeller, and Appliances Identified above are hereby returned to service per the work performed.							
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Maintance Manual, Structural repair manual, and standard practices. The Airframe, Powerplant, Propeller, and Appliances Identified above are hereby returned to service per the work performed.	All inspections, v	work, and repairs were	e completed using the a	ppropriate Manufacturers			
	Maintance Mani	ual, Structural repair r	nanual, and standard pr	actices. The Airframe, Power	plant,	1	
Keith George A&P/IA 3174577	Propeller, and A	ppliances Identified al	bove are hereby returne	ed to service per the work pe	rformed.		
July 1	Keith George A&P/I	A 3174577	21				
		1/1/2					

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RECORD OF ENGINE AIRWORTHINESS DIRECTIVES (A/D), SERVICE BULLETINS (S/B), DETAILS A/D. DATE **Diamend** 5/5/20 Date 47-37-4-2008 S/N 40 889 Reg N889DS Engine S/N L-33891-51E Eng TTSN 9.5HRS Engine S/N L-33891-51E Eng TTSN ¶.5HRS

The following S/B and S/I have been carried out as applicable
DAI SI 40-005/Lycoming SB 342E/AWD 93-02-05 Fuel Line(stainless steel tube assy)
and support clamp Inspection and Installation New – Due every 100 hours
SI 40-009(FAA AD 2002-26-01) – Externally mounted fuel injection lines – C/W
MSB 40-010- Repair of certain injection servos – N/A due to S/N of unit
MSB 40-019 Improvement of ground-connection to Alternator – N/A by A/C S/N
MSB 40-012 Replacement of Mixture Control Cable-N/A as already incorp During mfg
Precision Airmotive Fuel Servo SB PRS-105 – N/A due to S/N of unit
Textron Lycoming MSB 565 – Replacement of Diaphragm-Type Fuel Pumps P/N LW154/73 with date code of 3201 – N/A as date code does not match installed on this A/C –
Textron Lycoming MSB 548A/DAI SI 40-023 – Diaphragm-Type Fuel Pump – with a
date code of 0700 through 0401- N/A as date code does not match installed on A/C
Textron Lycoming MSB 574A – Cylinder Stud Hole Cross-Threaded – N/A by eng S/N
Textron Lycoming AD 2002-12-07-Prevent Complete loss of engine oil-N/A due to M/N
BI-weekly AWD check carried out to current revision 2008-03

The maintenance described above has been performed in accordance with the The maintenance described above has been performed in accordance with the applicable standards of airworthiness DIAMOND AIRCRAFT INDUSTRIES INC. D.O.T. APPROY TK Lic or Stamp Diamond Date: March 24, 2008 WO#: RO-08-063 S/N: 40.889 Reg #: N889DS TTAF: 4.5 hrs. Engine S/N: L-33891-51E The Following work has been carried out: Precision MSB PRS-107/AD2008-06-52 complied with, RSA servo S/N 70C89505 inspected. No defect noted. Next due in 50 hrs flying time or next and every oil change. The maintenance described above has been performed in accordance with the applicable standards of airworthiness. DIAMOND AIRCRAFT INDUSTRIES AMO 161-93 Lic or Stamp Signature 2008-08-14 2008-14-07

## LYCOVING

#### AIRWORTHINESS DIRECTIVE COMPLIANCE LIST

A Textron Company

10/26/07

652 Oliver Street

Williamsport, PA 17701 U.S.A.

Engine Model No: IO-360-M1A

Engine SN: L-33891-51E

Page 1 of 2

		Engine Model No: IO-360-M1A	Engine SN: <b>L-33891-51E</b>		Page 1 of 2
AD NO. / SB	RV RV	Description / Method of Compliance	Next Due	Once Rec	Code Sign
2002-26-01 342	E	FUEL LINE AND SUPPORT CLAMP INSPECTION & INSTALL. NEW LINES INST. WITH NEW CLAMP	100 HOURS	х	1 3
2004-10-14 475	С	CRANKSHAFT GEAR MODIFICATION AND ASSY PROCEDURES NEW P/N INSTALLED	N/A	X	1 3
2005-19-11 566		Crankshaft replacement Replace Crankshaft	N/A	X	1 3
75-09-15 382		BENDIX FUEL INJ RS-43 INSP OF MOD OF FLOW DIVIDERS NEW P/N GASKET INSTALLED	N/A	X	1 3
93-11-11 N/A		AC, TEXTRON LYC FUEL PUMP O/H BY AERO ACCESSORIES NEW AC F/P INST. WHEN APPLIC.	N/A	X	1 3
94-01-03	R2	DEFECTIVE IGN COILS AND ROTATING MAGNETS NEW CONFIGURATION PART INST.	N/A	X	1 ③
N/A 94-06-09 517		INCOMPLETE INTERNAL GROUNDING ON MAG CAPACITORS NEW CONF. CAPACITORS INSTALLED	N/A	Х	1 3
96-23-03 525	Α	HIGH PRESSURE FUEL PUMP INSTALLED LW-15473 NEWLY MANUFACTURED PUMPS INST.	N/A	X	1 3
97-15-11 527	С	RECALL OF PISTON PIN P/N LW-14077 NEW CONFIGURATION P/N INST.	N/A	X	1 (3)
98-02-08 530	A	INSPECTION OF CRANKSHAFT ID FOR CORROSION MAG INSP:/APPLY URETHABOND 104	N/A	X	1 (3)
2002-12-07 543	,	OIL FILTER CONVERTER PLATE GASKET REPLACEMENT NEW P/N CONVERTER PLATE INSTALLED	N/A	X	2
2003-14-03 529	В	ROTARY FUEL PUMP TORQUE. NEW PUMP WITH "/M" SUFFIX INSTALLED	N/A	<b>X</b>	2
2006-06-16 566 Sup 1		Replace crankshaft Crankshaft replaced	N/A	X	2
2006-20-09 569	Α	CRANKSHAFT REPLACEMENT REPLACE CRANKSHAFT	N/A	X	2
64-16-05 298	Inactive	AC FUEL PUMP OIL SEAL NEW CONF. FUEL PUMP INSTALLED	N/A	X	2
66-06-03 302	Α	REPLACEMENT OF CONNECTING ROD ASSY. NEW ROD CONFIGURATION	N/A	X	2
66-20-04 307		OIL FILTER ADAPTER GASKET NEW CONF. GASKET INSTALLED	N/A	X	2

#### Codes:

- 1 AD Applicable to Engine
- 2 AD Not Applicable to Engine
- 3 Field Compliance where applicable



#### SPECIAL INSPECTIONS (S/I) AND MODIFICATIONS (MODS)

N889DS

Tach 53.8

Hobbs 70.9

SN:40.899

5/5/2009

Engine SN: L-33891-51E

- \* Complied with recurring inspection of the exhaust system IAW MSB40-033. No defects noted at this time.
- Complied with recurring AC2008-14-07 (fuel line insp) with no discrepancies noted at this time.
- AD2008-19-05 (39-15672)(engine cyl insp) does not apply since the engine has not been overhauled or had any cylinders replaced since new.
- Complied with AD2009-02-03(39-15793) by previously complying with AD2008-08-14 and precision Airmotive SB PRS-107. Gasket was replaced at that time with a new gasket PN 2577258. No further action is required.

3124657 A&P

#### RECORD OF ENGINE AIRWORTHINESS DIRECTIVES (A/D), SERVICE BULLETINS (S/B),

DATE	A/D, S/B, S/I, MODS	DETAILS OF
10/13/08	2008-14-05	AD2008-19-05 does not estat this engine
		alle to Place of Colonial Colonial
		replaced since new No Surtheraction
		required



#### N889DS

SN:40.889

\* AD 2009-02-03 has been previously complied with IAW AD 2008-08-14 and precision Airmotive MSB PRS-107. Gasket was replaced IAW MSB PRS-107 with new PN 2577258 and the letter "G" was stamped on the fuel injection servo plug. No damage to the plug was found at the time of parts replacement and was found satisfactory to install at that time.

Raul M'buh

A&P 3334046

_	MANUFACTU	RER: Lycoming ENGINE MODEL:	IO-360-M1A <b>S/N</b> : L-33891-51E <b>WO#</b> 9172	٦
_	AD#	DESCRIPTION	COMPLIANCE STATUS	1-
	66-20-04	oil filter adapter gasket	N/A by gasket P/N	1_
_	73-23-01 R4	piston pin P/N 69650	N/A by pin P/N	
_	75-08-09 R3	oil pump drive shaft	N/A has drive shaft with flats	1-
	75-09-15	fuel flow divider	N/A by P/N	1_
-	78-23-10	fuel servo	N/A by P/N	-1
_	79-04-05	fuel servo	N/A by P/N	1-
	90-04-06R1	external oil line	N/A by engine model	- 1
-	92-12-05	piston pin P/N LW-14077	N/A by pin P/N	- 1-
_	96-09-10 C	oil pump	P/C/W I/A/W SB524	-  -
	96-23-03	fuel pump	N/A by manufacturer	
-	97-15-11	piston pin	N/A by pin P/N	- 1-
	98-02-08	crankshaft	N/A has constant speed prop	- 1-
	98-17-11 C	crankshaft	Complied with by inspection I/A/W par (b)	- 1
-	03-14-03	rotary fuel pump	N/A has diaphragm-type pump	ı.
_	04-10-14 C	crankshaft gear	C/W IAW Lycoming SB 475C, due any prop strike	- 1
	Poplar Grove	Airmotive, Inc.	1	- 1
		tation YYBR664L _Terry Aavang	Date: 15/May/2018	

	FAA Kepair	Station 1 1 BROOTE _ Terry	Advang			Date.	Toriviayr2010		1
_	MANUFACTU	IRER: Lycoming ENGIN	E MODEL:	IO-360-M1A	S/N:	L-33891-51E	W/O#	9172	-
	AD#	DESCRIPTION			COMI	PLIANCE STATUS			L
_	05-19-11	failure of crankshaft		N/A by cranksh	aft S/N				
-	06-06-16	crankshaft material defect		N/A by cranksh	aft S/N				ŀ
	06-12-07	ECI cylinders		N/A to Lycomin	g cylinde	rs			
-	07-04-19 R1	Superior cylinders		N/A to Lycomin	g cylinde	rs			
_	09-02-03	Precision fuel servo		P/C/W, has "G'	stamp o	n plug			ŀ
	09-26-12	ECI cylinders		N/A to Lycomin	g cylinde	ers			١
-	12-03-06	AFS diaphram		N/A by lot num	ber of dia	phragm assembl	у		I
_	12-19-01	crankshaft failure		N/A by cranksh	aft S/N				١
	15-02-07	Prop Gov Shaft Set Screw		Complied with	IAW SB	1343B			١
-	15-19-07	Fuel injector lines, due every	110 hrs	Complied with	by inspe	ction IAW SB 342	G, diag. 1		١
				Next due at 31	06.2 tt or	fuel line mainten	ance.		١
	17-16-11	Lycoming rod bushings		N/A to new AE	L13923 H	oushings installed	I		
-	Poplar Grov	e Airmotive, Inc.			/	1			
		Repair Station YYBR664	L Terry A	avang 7_	1 1	Date	e: 15/May/20	18	

