NEW RECIPROCATING ENGINE CERTIFICATE

This is to certify that the engine as described hereinafter has been manufactured run-in and tested as prescribed by TEXTRON LYCOMING specifications and Federal Aviation Regulations. No further run-in is required. All applicable Federal Aviation Administration Directives and Textron Lycoming Service Bulletins have been complied with at time of Manufacture.

IO-360-M1A

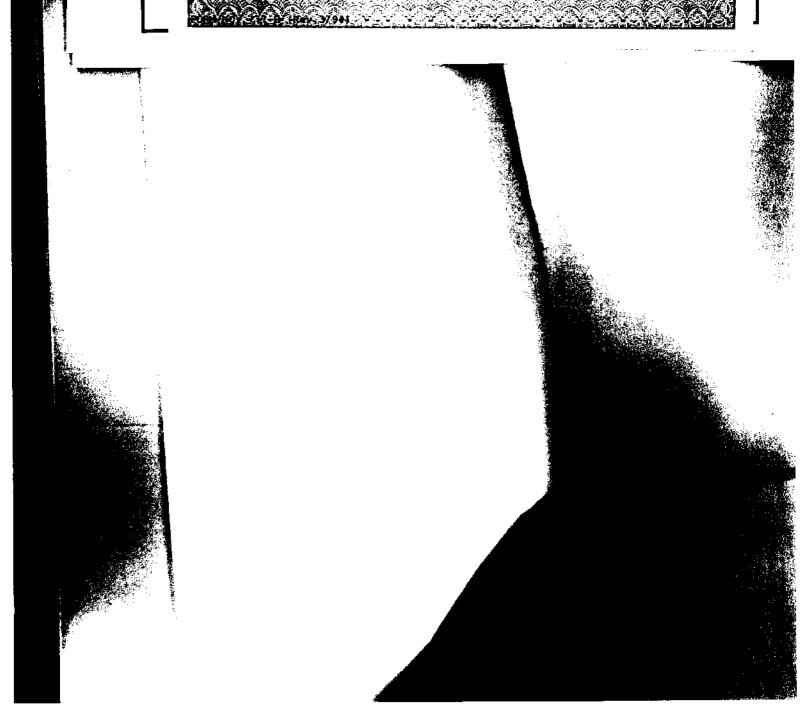
L-29856-51A

DATE 4-25-01

AUTHORIZED REPRESENTATIVE)

TEXTRON Lycoming

652 Oliver Street Williamsport, PA 17701 U.S.A.



ENGINE LOG

1.	Make	TEXTRON LYCCYING
2.	Model	TO-360-M/A
3.	Specification	1610
4.	Manufacturer's Serial Number	L-29856-SIA
5.	Date of Manufacture	
6.	Aircraft Inspection Cycle	

D : 77	TIME	RUN		SINCE		INSTALLA	TIONS, INSPECTION	ONS.
DATE	HRS,	MIN.	HRS.	MIN.	NOTE: USE B	OTH PAGES AND A	MANY CINES AS RE	
BROUGHT FORWARD	· · · · · · · · · · · · · · · · · · ·	-	11	.2	TIMES	BRWGHT	FORWARP	FROM
	<u> </u>		ı		_			
				Diam		#1 40045 For N445	ne wo# RO-01-101	
	ļ. <u> </u>	ļ	•		Engine S/N: L-2	/N: 40045 Reg: N4450 9855-51A Eng TTSN:	11.2	
	-		Groun	of run-up of	engine performed. I	r de-preservation check Found to be satisfactory	f-	
			DALS	ollowing S/E 31 40-002 / I cement N/	Lycoming Mandaton	carried out as applicabl / S/B 548 – Engine Driv	le: ven Fuet Pump	
· · · · · · · · · · · · · · · · · · ·	-	-			ance described abov	ve has been performed andards of airworthines	in accordance with the ss.	
		 	- !	DIAMO	OND AIRCRAFT INC	JUSTRIES D.O.T. APP	ROVAL #161-93	
			.i Signa	ature_	Hairl Als.	Lic or Sta	mpRO6	
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_		ma perio		r dung r	ionnal and requi	_ N won	Brolley	
						Jasok A. Brad	ley AP 273904559	
<u> </u>	1_	+-	1	1				· · ·
- 38 8C1510	MAIRCAN	Da	<u>ate:</u> 10	0-17-01	N Number:	N455DS		
- Karine	SERVICES, PA		<u>ich:</u> 49	9.8	-			
 -		De	escripti	on of W	Vork Perform	ed:	sched and ran engin	e to
check	Changed for leaks	oil and F and perf	ilter usin omance	ig 8 quar ∋. Found	ts of Aeroshell I normal and ret	urned to service.	ashed and ran engir	
						hier	10 lba S	
						Jason A. Br	adley AP 2739045	9
_ _						\ \ \ \	-	<u> </u>
				İ	CARRIE	FORWARD		
					CARRIE	FORWARD		
OTAL THIS PAG	5 E				CARRIE	FORWARD		

TOTAL SINCE MFG.

REPAIRS, ADJUSTMENTS, MODIFICATION ENTRIES, DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN D		SIGNATURE	LICENCE NUMBER
AUSTRIAN LOGS.		Here Same l.	DA RO8
Date: 1100001 NYMENTED	I 445DS		
Description of Work Performed: Removed #2 & #4 exhaust risers. Installed new risers P/N	N DA40-5 A, P/N DA40-3 F Dascon Savelle Pason A. Bradley AP 2739	REV-A	
Swe Services Tach: 99.3	N445DS	<u> </u>	
Description of Work Performed: Performed a 100 Hour inspection of engine in accordant follows: 1) 75/80, 2) 75/80, 3) 74/80 and 4) 76/80. Cleaned Installed new exhaust risers on all cylinders. AD 93-02-05 C/M engine to check for leaks and performance, found normal and I Certify that this engine has been determined to be in airworthy condition.	nce with FAR Part 43, appe Performed compression, I, gapped and tested all sp V by inspection of fuel lines	endix D. results as ark plugs,	
all worthy condition.	ason A. Bradley AP 27390	Vo	
MO,2002, TACH 1 X6.8 REPLACED	4 EXHAUST STAC	% \$	
WITH NEW, INSTALLED W	LTH 75118 GASKETS	Parl ank	5729,38
Tach: 149.7 Description of Work Performed:	N445DS		
Changed oil and Filter using 8 quarts of Aeroshell 15 check for leaks and performance. Found normal and returne	W 50 oil. Washed and railed to service. Aspn A. Bradley AP 273	ly -	

								<u> </u>
	TIME	RUN	1	SINCE HAUL	N975	(NSTAL)	LATIONS, INSPECTIONS,	RED FOR COMPLETE
DATE	HRS.	MIN.	HRS.	MIN.	NOTE: USE 8	OTH PAGES AND		
BROUGHT	_1		T		<u> </u>		-	
FORW	SECISION AIR	- Programme	Date:	03/28/0	2 N Number	er: N445D8	6	·
	" •	Et _e	<u> </u>					
*	Arine SERVICE	J. PA	Tach:	198.9	<u>TT Engir</u>	<u>ie:</u> 198.9	TSMOH: N/A	
	7		Descri	intion of	Work Perfo	rmed:		<u></u> .
	Perfor	med a 1	On Hour	inenectio	n of engine in a	ecordance with	FAR Part 43, appendix D	
	Shopped oil	and filte	r usina 8	duarts of	f Aeroshell 15 \	N 50 oil. Perfor	med compression, results ed and tested all spark plu	as
	natallad na	e mufflet	P/N DA	4∩-7 Oil f	iter removed a	nd cut open, no	particles of detect noted.	
1.	natallad na	443 evh	aust rise	τ P/N DA	40-2. AD 93-03	2-05 C/W by ins	spection of fuel lines and c	amps
	All AD's revi	iewed ar	nd C/W up for leaks	p to this o and perf	iate, see aircra ormance, found	n records for co I normal and ref	impliance times. Washed turned to service.	
	I Certi	fy that th	is engine	e has bee	n inspected in a	accordance with	n a 100 hour inspection an	d it
— — r	nas been id	étermine	ed to be in	n airworth	y condition.		_	
							R-11.	-
						1/963	A. Bradley AP 273904559	
-	<u> </u>		<u> </u>	+	-	Jason	A. Brauley Ar 275594666	<u>. </u>
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	- A	_			81 81la a.a.	N445DS		·
	SION AIRCAS	<u>D</u> :	ate: 0	5/17/02	N Number:	N445D3		
<u> </u>	المراج	Ta	ach: 24	49.3	_			-
	SERVICE					•.		
		<u>D</u>	escripti	on of W	ork Performe	<u>30 :</u> 15 W 50 oil. V	Vashed and ran engine to	
chec	changed ck for leaks	and peri	formance	e. Found	normal and ret	urned to service	». //	
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-	* ,				;	Allen	Lagar	
					:	/ Allen I	ogan AP 2669982	
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	NON AIRCRA	Da	ate; 05	5/20/02	N Number:	N445DS		
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	STANCES HE	<u>Ta</u>	<u>ich:</u> 24	19.3				<u></u>
 _	/	D.	seccintia	on of W	ork Performe	ed:	·	 -
	Removed	and repi	aced #4	exhaust r	iser. P/N DA40	- 5A, Ops. ched	k good.	
					•	1 amer	Redley -	
					•	Sason A. B	radiey AP 278904559	·
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FR	OM		ŀ					

MAINTENANCE RECORD

-			ODIFICATIONS ED LINES IN DAT	E AND TIME	COLUMNS,	SIGNATURE		LICENCE Number
RECISION A PROPERTY	<u>Date:</u>	08-23-02	N Number:	N445DS		•	-5	
THE SERVICE- IL	Tach:	297.9	TT Engine:	297.9	TSMOH:	N/A	\Box	
Changed oil and filter follows: 1) 77/30, 2) Oil filter removed, cul C050005), operations and hardware. AD's r Washed and ran eng I Certify that this been determined to I	oo Hour in using 8 77/80, 3 open, noted check interviewed intervie	nspection of quarts of Ae 3) 76/80 and o defective p good. AD 93 and C/W up eck for leaks has been in	1 4) 76/80. Clear particles noted. In 3-02-05 Eff. 06/14 to this date, sees and performant spected in accortion.	dance with F oil. Perform ned, gapped nstalled new 4/93 C/W pe e aircraft reco ce, found no dance with a	and tested alternator of alternator of the AD by instant ords for cor rmal and re an Annual in	ssion, results as I all spark plugs. (p/n LW14326)(s/n pection of fuel lines npliance times.		
						Ì	_	
The SELVICE	<u>Date</u> <u>Tach</u>	: 10/10/0 <u>:</u> 347.3	2 <u>N Number</u> :	N445D	S			
Changed oil a check for leaks and	and Filter	r using 8 qua	Work Perform arts of Aeroshell and normal and re	15 W 50 oi	I. Washed rvice.	and ran engine to		
			i !			no		
				Jam	es J. Royce	AP 2658353		
ARECISION AGECUA	<u>Date:</u>	1:2/10/02	N Number:	N445D5	- <u></u> -			
ACONE SERVICE, IN	Tach:	396.3	TT Engine:	396.3	TSMOH	<u>l:</u> N/A	•	
follows: 1) 77/30, 2 Retorqued #1 intake baffle skirt where rut inspection of fuel line records for complian normal and returned	190 Hour er using () 75/80, Realig obling agrees and ha ce times to services is engine	inspection of A guarts of A 3) 76/80 an ned and reto ainst oil cool ardware. Al Washed a ce.	or 4) 76/80. Clear program #1 exhau er duct. AD 93-(D's reviewed and and ran engine to	ordance with 0 oil. Performaned, gappe st. Replace 02-05 Eff. 06 complied with check for le	med compred and tested and tested three spand 14/93 C/M ith to this tiles and pe	ession, results as ed all spark plugs. rkplugs. Trimmed / per AD by me, see aircraft rformance, found inspection and it	- -	
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MAXIMUM HOURS BETWEEN OVERHAULS______HOURS.

	DATE		DATE		DATE		RUN ——	TIME	SINCE			STALL ATIO				_
<u> </u>		HRS.	MIN.	HRS.	MIN.	NOTE: US	E BOTH PAGE	STALLATIO	INS, INS	PECTION.	S. PRED FOR COME	PLE				
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		5	<u>Da</u>	<u>te:</u> 01	/30/03	<u>N Number</u>	: N445[os:								
	ENCINE T	SERVICES, IN	Ta	<u>ch:</u> 44	6.1	-										
	•		De	Scrintio	n of W	ork Perform	-									
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		or reaks a	and hetto	rmance.	Found	s of Aeroshel normal and re	eturned to se	rivice.	מווט ומוו	eudive to		_				
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	RECISION	41-	_													
	eucus	"MCGAGA	<u>Date</u>	<u>:</u> 03/2	1/03	<u>Number</u> ;	N445DS	;								
<u> </u>	The Jane	VICES, IAC	<u>Tach</u>	<u>:</u> 495.	1 <u>1</u>	TT Engine:	495.1	TSMOH:	N/A							
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	D6		Desc	ription	OT WOL	k Performe	<u>d:</u>	~.								
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c	manyeu i	yıı arıtı ili	ilei usina	o buans	OT APPO	ngine in acco shell 15 W 50	loil Dodom		:	. 11	<u> </u>					
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	ollows: 1 lightened D by insp) 75/80, oil fill tul pection o	2) 75/80, be. Tighte of fuel inje	o quarts 3) 75/8 ened all v ector line:	or Aeros 0 and 4 valve cov s. fittings	snell 15 W 50) 75/80. Clea ver screws. A s and hardwar	l oil. Perforn ned, gapped D 2002-26-0	ned compres d and tested 01 Eff. 01/31	ssion, re all spari /2003 C/	sults as c plugs. W per						
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	ONAL LINE THROU	JUM ANY U	NUSED LINES IN	DATE AND T	IME COLUMNS.	SIGNATURE	NUMBE
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THE PLEASE ON MACON	Date: 0	6/12/03	N Number:	N445DS			
. (9)	Took 5	05.0	**				
SERVICES.	<u>Tach:</u> 5	95.9	TT Engine:	595.9	TSMOH: N/A	· :	
	Descripti	on of Wo	ork Performed	<u>l:</u>		·	
Periorme Changed oil ar	ed a 100 Hour ins nd filter using 8 qu	pection of arts of Aei	engine in accord roshel! 15 W 50	dance with f oil. Perform	FAR Part 43, app	endix D.	
follows: 1) 77/	80, 2) 77/80, 3) 7	77/80 and	4) 76/80. Clear	red, gapped	and tested all sc	ark nluge	
 AD 2002-26-01 reviewed and (1 Eff. 01/31/2003 (C/W up to this date	C/W by ins e. see airc	spection of Fuel	injector lines	s and hardware	AD's	
ran engine to d	thèck for leaks and	d performa	ince, found norn	nal and retu	med to service		1
t Certify t has been dete	hat this engine ha	s been ins rworthy co	pected in accord ndition	dance with a	100 hour inspec	tion and it	
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- Ale	Miller		•				
Dar	niel M. Èvans AP 2	734390	-	MARKE	OCTO STATE OF THE PARTY OF		
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- RECISION AND	^{*ر} م _ر <u>Date:</u>	07/28/0	3 <u>N Number</u>	: N445E)S	_	<u> </u>
Tome Town	ا <u>Tach:</u>	647.9				_	
- SANAIC	, <u> </u>		-			-	
			Work Perform		: 181		
	ged oil and Filter u aks and performa					ran engine to —	
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				All	en Logan A&P 2	369982	
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	•. Date:	8/15/03	N Number	NAASD	,	- -	
	مر <u>Date:</u>	8/15/03	N Number:	N445D	5	- - 	
TO NAME SERVICES	مر <u>Date:</u> برن <u>Tach:</u>		<u>N Number</u> :	N445D	3	- - 	
THE CISION AVEC	Tach:	681.1	-		5	- 	
Tab _{Nag} SERVICES	Tach: Descrip ed LH Mag,disass	681.1 tion of V embledan	- /ork Performed inspected in a	ed: ccordance v	vith Slick master		
manual.Four	Tach: Descrip ed LH Mag,disass ad breaker cam to	681.1 etion of Viembledan	- /ork Performed inspected in a evily worn. Insta	ed: occordance v lied new pri	vith Slick master mary and second	larv breaker —	
manual.Four assemblies.	Tach: Descrip ed LH Mag,disass ad breaker cam to Reinsalled onto er	681.1 etion of Wiembledan be excses	- /ork Performed inspected in a evily worn. Installed to check the check th	ed: occordance v lied new pri	vith Slick master mary and second	larv breaker —	
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manual.Four assemblies.	Tach: Descrip ed LH Mag,disass ad breaker cam to Reinsalled onto er	681.1 etion of Wiembledan be excses	- /ork Performed inspected in a evily worn. Installed to check the check th	ed: occordance v lied new pri	with Slick master mary and second and performance,	lary breaker opps check	

MAXIMUM HOURS BETWEEN OVERHAULS_____HOURS.

ED FOR COM



Date: 08/29/03 N Number: N445DS

Tach: 693.1 TT Engine: 693.1 TSMOH: N/A

Description of Work Performed:

Performed a 100 Hour inspection of engine in accordance with FAR Part 43, appendix D. Changed oil and filter using 8 quarts of Aeroshell 15 W 50 oil. Performed compression, results as follows: 1) 72/80, 2) 76/80, 3) 76/80 and 4) 76/80. Cleaned, gapped and tested all spark plugs. Cyl 1, 2, 3, 4 - Installed all new valve cover gaskets. Cyl 1& 2 Installed new exhaust gaskets. Tightened all oil return hose clamps. All AD's reviewed and complied with up to this date, refer to the maintenance logs for compliance dates. Washed and ran engine to check for leaks and

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

Christop er Gregg AP2732

Gilbert C. Schoales Jr. AP 19543741 IA



10/07/03 N Number: N44DS

Tach: 728.2

Description of Work Performed:

Installed overhauled Governer P/N C2107776 S/N12367154 on engine. Ran engine to check for leaks and performance, no leaks detected, opps check good, Return engine to service.

Simon J. Rubino AP 26707

Author	National Aviacion	1 AllTeropy				איני ווטוייי	udino Ap o
ľ		AUTHORIZED	RELEASE CERT	TRICATE			ubino AP 2
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4. Otronkowski	on Name and Address				******	!	
Hocky M	ountain Propellers Ico	2865 Airport Drive, Erie, C					26112
FAA FR6	R545N - JAA 4827	2865 Airport Orive, Erie, C	O 80516 Line				
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1	7. Description:	8 Parl Number:					26112
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	Hom-approved design date specific	2 / 13 was carried out in according FAA FRORSASN and JAA Activation on information to condition for safe spension. 15. Approved / Authorization No.	Contiles that unless of Block 13 was according sampled to that most of the sampled to the sample of	14 CFR 43 9 Retu Service Otherwise specified Mathed in assorder	mile (Oeya Block	r regulation appointed in
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Authorized Sign	Non-approved design date specific	otherwise for sale operation. In Black 13, 16, Approval / Authorization No.	Conflex that unless of Block 13 with accompany to that work, a 20. Adheritant Sofial	14 CFR 43 9 Retuine Service otherwise specified Marked in accordant he liamed are appro-	m to [] In Block 13, Income 14 vaid for nature to	Other Block a work identified in Block code of Federal Regu Pennice. Approval / Cardiform	r regulation appealled in 173 in 12 and described at fallons, part 43 and ut
Authorized Sign	Non-approved design date specific	outprage for early operation.	Conflex that unless of Block 13 with accompany to that work, a 20. Adheritant Sofial	14 CFR 43 9 Retuine Service otherwise specified Marked in accordant he liamed are appro-	in Block 13, in one soil Tale 14 and for nature 21.	Other Block work identified in Block of Federal Regue Service. Approval / Certificate FR6R5	r regulation appealled in 173 in 12 and described at fallons, part 43 and ut
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TOTAL FROM PREVIOUS SUMMARY TOTAL SINCE MFG

TOTA

EN TR	REPAIRS, ADJUSTMENTS, MODIFICATIONS SIGNATURE SIGNATURE	LICENCE
-	11/17/03 T.T. 751 changed on 2 & 5774	
	wing I quants 15-50, RAM engine, chercal	
	FUR leaves ups chark good.	
	JAY - CAHARREN	
	Sur ale	Ì
	607037663 /14	

	Description of Work Performed:	
	— Surfaced both exhaust riser flanges on #2 and #4 cylinders. Installed new gaskets and lock	
	washers.	
	Allen Logal AP 2669982	
	Allen Logari AF 2003302	
		
	- <u> </u>	 -
	— 40 ^{ccs10N} 410 ^{cc} cs ₂ <u>Date:</u> 12/30/03 <u>N Number</u> : N445DS —	
	— Tach: 792.9 <u>TT Engine:</u> 792.9 TSMOH: N/A	_
	- Tach: 792.9 <u>Tr Engine:</u> 792.9 <u>TSMOH:</u> N/A	
	Description of Work Performed:	
	Performed a 100 Hour inspection of engine in accordance with FAR Part 43, appendix D. Changed oil and filter using 8 quarts of Aeroshell 15 W 50 oil. Performed compression, results as	
	1000003 , 17 (3/00, 2) (0/00, 3) (3/00) 300 41 (3/00) 4 (3/00) 4 append and tested all sense ± 1	[
	return lines. AD 2002-26-01 Eff. 1/31/03 C/W == AD by inspection of injector lines. ##ings and	
	indicated. All AD 8 reviewed gild C/VV to this time. See aircraft records for compliance times	
	Washed and ran engine to check for leaks and performance, found normal and returned to	-
	I Certify that this engine has been inspected accordance with a 100 hour inspection and it	
	has been determined to be in airworthy condition.	
_	Allandar Allandar	
	Allen Logan AP2669982	
	USION AL	
	<u>Date:</u> 02/17/04 <u>N Number:</u> N445DS	
	Tach: 844.8	
	Description of Work Performed:	

Simon J. Rubino AP2670700

			ENG	INE	SERVICE AN	D
ARCON.	<u>Date:</u>	03/31/04	N Number:	N445DS		COMPLETE
THE SERVICES IN	<u>Tach:</u>	892.9	TT Engine:	892.9	TSMOH: N/A	
Performed a Changed oil and fill follows: 1) 77/80, Resurfaced #4 exh filler tube. Replace 26-01 Eff. 01/31/03 reviewed and C/W	100 Hour ter using 8 2) 74/80, aust riser ed two spa 3 C/W per to this timek for leaks	inspection of a quarts of A 3) 76/80 and flange, instant plugs. R AD by inspecte in service and perform and perform a has been in the control of the control	d 4) 77/80. Clea alled new gasket: eplaced #3 inducection of injector , see aircraft recommance, found no inspected in accommance.	oil. Performed, gappe s on #2 and ction tube of lines, fitting ords for cor rmal and re ordance with	FAR Part 43, appendix D. med compression, results as ad and tested all spark plugs. #4. Replaced gasket on oil -ring and gasket. AD 2002- s and hardware. All AD's inpliance times. Washed and sturned to service. In a 100 hour inspection and it len Logan AP 2669982	
DATE:	5/18/	2004	N NUMBER:	445DS	TT ENGINE: 944.00	<u> </u>
TACH:	944.0	00	новвѕ:		SMOH: n/a	
Changed oil and fill engine and run-up.	ter. Cut f No leak	ilter open. s noted.	Checked ok. \$	~ E.	Piety AP 524748243 IA	ashed
DATE:	6/18/200)4 N	NUMBER: 44	5D\$	S/N: 40045	
TACH:	991.5		OBBS:	u/80 Chai	TT: 991.5	th

6/18/2004 DATE: TACH: 991.5

Completed 100 hr/Annual insp. this date. All cylinders 78/80. Chang 8 qt. Aeroshell 15w50. Cut filter open. Checked ok. Cleaned inspected gapped rotated all spark plugs. Cleaned induction air filter. C/w AD 2002-26-01 insp. of fuel nozzle lines and clamps. Check ok. Complied with all other 100 hr services as per Diamond checklist and FAR 43 app. D. Engine run-up ok. No leaks noted. I certify this engine has been inspected in accordance with a 100 hr/Annual insp. and determined to be in airworthy condition at this time.

Steve E Piety AP 524748243IA

CARRIED FORWARD OTAL THIS PAGE TOTAL FROM REVIOUS SUMMARY

TOTAL SINCE MFG.

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-DIES DRAW A	REP	AIRS, ADJUSTME	NTS, MODIFICATI	ONS	Ī		LICENCE
EN THIES. DHAW	DIAGONAL	. LINE THROUGH A	NY UNUSED LINES (1	DATE AND TIME	COLUMNS.	SIGNATURE	NUMBER
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	DATE:	8/26/2004	N NUMBER:	445D\$	TT ENGINE	1090.00	
							
	TACH:	1090.00	HOBBS:		SMOH:	N/A	
Completed	1 100 hr in:	spection this dat	e. Checked for no	ew AD's thru 20	04-17. Compli	ed with AD	
2002-26-0	1 para. C,	inspection of fue	el nozzie lines and	clamps as per	Lyc. MSB # 34	2D. Changed oil	
and filter.	Cut filter o	pen. Checked	ok. Serviced with	8 qt's Aeroshell	15w50. Comp	pression check as	
follows: #1	1 78/80, #2	2 78/80, #3 76/86	0, #4 77/80. Clea:	ned, sparkplugs	Replaced lov	ver plugs. Cleane	d b
induction a	air filter. In	spected exhaus	t system for crack	s as per DAI SI	40-006. Chec	k ok. No cracks	
noted. Co	mplied witl	h all other 100 h	r services at this ti	ime as per FAR	43 appendix E). Cleaned	<u> </u>
— engine and	i run-up. I	No leaks noted.					
Op's chec	ck ok. i ce	ertify this engine	has been inspecte	ed in accordanc	e with a 100 hr		
inspection	and deterr	mined to be in ai	rworthy, condition	at this/tinhe.			
			14	くんいか			
			Dunc	1, July			
			Steve E Piety	A&P 524748 2 4	3 IA		
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9/21/04	Toch	_+ Total	1140.8	Chance	ed oil		
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July Stay	<u> </u>	ZND ZA	ars. pruu	L. luft	H1524140	243279	<u></u>
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MAXIMUM HOURS BETWEEN OVERHAULS_____HOURS.

	TIME		TIME		INSTALLATIONS, INSPECTIONS,)
DATE	HRS.	MIN.	HRS.	MIN.	NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE	À
ROUGHT ORWARD	<u>.</u>	-				3 2
	Γ.	T	1			1-
	D	ATE:	11/2/04	NN	TUMBER: 445DS TT ENGINE: 1189.7	
	T	ACH TI	ME: 1	189.7	HOBBS TIME: 1525.4	<u></u> →
Co	molete	d 100 hr	inso th	nis date	Checked AD's thru 04-21. Complied with AD	~~ }
					MSB #342D. Changed oil and filter. Cut filter open.	
					15w50. All cylinders 78/80. Replaced induction air	
					k. Inspected entire exhaust system for cracks. Checked	
					noted. Complied with all other 100 hr. services at this	
					3 App. D. I certify this engine has been inspected in	:
		e with a	100 hr	inspec	tion and determined to be in airworthy condition at this	7 -
tin	ıe.					-
					H & Dilly -	
					Julie C. Villy	
					Steve E Piety AP524748243I	_
	1	1	ı	1		- T
	-		<u> </u>	+	11 11 11 11 1 11 11	
24/04			1239	140	Changed oil & filter Served with	·
<i>i</i>]		augshell 15 wst & gts. Cut	
	1			Ī.,	litter wen Chropid OK, Encine	
	+		 	 	The second of th	_
	 		┼┈ ──	╁┈──	At 5 D: A AH 53474124313IA	<u> </u>
	 			 	June Company String 1314	
_		<u> </u>		<u> </u>	<u> </u>	
	T .	7		1		
•					<u> </u>	
DATE	2/2	4/2005	N I	NUMBE	R: 445DS TT ENGINE: 1289.1	} -
					 	
TACH	12	89.1	HC	BBS:	1655.3 SMOH : N/A	
_		.	46!- 4-:		-tid 4 Dis-16 OF 4 - OAM 4 D 0000 00 04 O	
•		•			cked AD's thru 05-4. C/W AD 2002-26-01 par. C. bil and filter. Cut filter open, checked ok. Serviced	 †
					Replaced lower sparkplugs. Complied with all other	+
					nt. manual and FAR 43 app. D. Engine run up ok.	
				•	as been inspected IAWa 100 hr insp. and determined	
-		thy cond	•		i	
•					At E West	
					mue - vier	
					Stove E Diety AD 29402211A - \/	
_					Steve E Piety AP 2840331IA	- 1

TOTAL FROM PREVIOUS SUMMARY

TOTAL SINCE MFG.

		,
REPAIRS, ADJUSTMENTS, MODIFICATIONS ENTRIES, DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE
7ACH + 707AC 1341.4		
5/10/05 Changed oil + filter Serviced with	<u> </u>	
8 gts Reishell 15w50 Filter Chicked OK		<u></u>
Engine run-no OK. no leaks. Struct	July A0P534748	JY3IA
	· ·	
5/25/05 TACH + TOTAL 13.54.8 Removed + replace	7	
starter motor. SIN OFF F4L-120116, SIN		
on F4L-130509, ops chick ox Stine & P.	F ALP 28403	31 ZA
	4	<u> </u>
		
DATE: 6/29/2005 N NUMBER: 445DS TT ENGINE: 13		
TACH: 1380.3 HORRE: 4770.0	50.3	
SMOH: N/A		
Removed, cleaned, gaped, re-installed all sparkplugs. Removed Lt. mag.,		
disassembled, cleaned, reassembled and re-installed on engine and timed to engine. Ops check ok.		
- Stew L. Part	-	
Steve E Piety AP 284033 (IA		<u> </u>
	 	<u> </u>
		ļ
		
T FNOINE:	1206 1	<u> </u>
DATE: 7/13/2005 N NUMBER: 445DS TT ENGINE:	1396.1	<u> </u>
TACH: 1396.1 HOBBS: 1791.0 SMOH: 1	√A	<u> </u>
The state of the s		
Completed 100 hr/ANNUAL insp. this date. Compression check as follows #1 77/80, #2 75/80, #3 75/80, #4 75/80. Changed oil and filter. Cut filter of	pen	
Checked ok. Serviced with Aeroshell 15w50. Cleaned, gaped, inspected,	rotated	
all sparkplugs and reinstalled with new gaskets. Checked for new AD's the Complied with AD 2002-26-01 para. C, fuel line inspection. All checked ok	u 05-14.	
Complied with all other 100 hr services at this time as per FAR 43 app. D.		
and DAI checklist. I certify this engine has been inspected in accordance v	vith	1
a 100 hr/ANNUAL insp. and determined to be in airworthy condition at this	ume. ———	
Stews - Viet		-
Steve E Piety AP 2840331 IA		
	 	
	L	I

				т				
	TIMERU	N TIME S			INST ALL	TIONS, INSPECTION	15,	
DATE	HRS. M	IIN. HRS.	MIN.	NOTE: USE BO	TH PAGES AND A	S MANY LINES AS REQ	UIRED FOR C	OMPLETE
BROUGHT FORWARD		▶						
9/2/05	TACH + TO	TA- 144	7.9	Changed	sil + 7	Stee, Cut of	iller o	open,
	HOBBS		2,5	Chicked	O.K. Du	niced with	<u>8 QT A</u>	workell
				15 W50.	Ensine	Sim-up.	OK.	20
			•	leaks.	Stul (-	12 A+P/2	140331	IA
						· 0		
	 							
	DATE:	11/16/2005	N	NUMBER: 44	5DS	TT ENGINE: 14	93.3	
·	- TACIL	1493.3	1.	OBBS : 19	14.2	SMOH: N/A		
	_ TACH:	1493.3	T.	0663. 19	14.2	SMOH. NA		
						AD's thru 05-22.		
<u>. </u>						d ok. AD 2005-19-1 8/80. Changed oil	Т	
	and filter.	Cut filter op	en and	checked ok. R	eplaced lower	sparkplugs. Cleane		
						ngine oil. Complied		
 -—						. Engine run-up ok. a 100 hr/Annual	•	
				be in airworthy				
	<u>-</u>			*	Stew E	- Bret		
	-			St		P 284033 VIA		
	- . ,			1				
<u> </u>			+-					
	·		•	N NUMBER:	NASTIA	TT ENGINE:	1543.3	
	DATE	: 2/15/200	0 6	M MOMBEK:	NATODA	• • • • • • • • • • • • • • • • • • • •		
	- TACH	l: 1 543 .3		HOBBS:	1978.7	SMOH: N	1/A	
	- Chan	and all and file	ter Ser	viced with A/S	15W50. Filter	checked ok. Engir	ne .	
	 	pok. No leak	es note	d. //	1)		
	-			There	7-07	w		
	_			Steve E Piet	y AP 2840331	I IA		
	_							
		— ı	Ι.	1				
			 - -	- 			_ 	
			 -				<u>.</u>	
<u> </u>			 	 	<u> </u>			
				<u> </u>				
				CARRIED	ORWARD			
TOTAL THIS	PAGE		_					
TOTAL FR	OM MARY							

TOTAL SINCE MFG.

	DIAGONAL LINE TH		MODIFICATIONS SED LINES IN DAT	TE AND TIME COLUMN:	SIGNATURE	Li N
DATE:	5/23/2006	N NUMBER:	445DS	TT ENGINE:	1592.3	
74011-	4500.0	Monno.	2040 5			
TACH:	1592.3	HOBBS:	2040.5	SMOH: N	//A	
Complete	d 100 hr/Annual	insp. this date.	All cyl's. 78/80	. Changed oil and	filter.	
Serviced 1	with 8 qt. A/S 15\	w50. Checked	induction air filt	ter, ok. Cleaned an	ed .	
gapped ar	nd rotated all spa	rkplugs. Check	sed for new AD	's thru 2006-10. Co	mplied	_
C/W all of	uuz-zo-u i pai. C iher 100 hr servic	iuei iine msp. (es at this time	CRECKOK, NO 16 as ner FΔR //3	eaks noted after rur app. D. I certify thi	1-up. ———— is	-
engine an	d propeller have	been inspected	I IAW a 100 hr/	Annual insp and	<u> </u>	+
determine	d to be in airwort	hy condition at	this time.	<u> </u>	· 	_
			14 3	POS		
			Steve E Piety	AP28402241A		
			Oteve E Flety	AF204033 VIA		
_						—
DATE:	8/15/2006	N NUMBE	R: 445DS	TT ENGINE	: 1641.8	
- TACH:	1641.8	HOBBS:	2103.6	SMOH;	N/A ———	-
Chang	ed oil and filter	Serviced with A	VS 1EWED F.	gine run up. Checl		<u> </u>
-		DOI FIOLG WILLIAM	VS 154450. EN	gine run up. Checi	ked ok.	
-			11	E. Dut	1×	
_						
			Steve E Pie	ety AP 2840331 (A		
					1	
DATE:	11/24/2006	NINMRER	1- AASDS	TT ENGINE.	4604.0	
DATE:	11/24/2006	N NUMBER	t: 445DS	TT ENGINE:	1691.3	
DATE: TACH:	11/24/2006 1691.3	N NUMBER	2166.8		1691.3	
TACH:	1691.3	HOBBS:	2166.8	SMOH:	N/A	
TACH:	1691.3	HOBBS:	2166.8 Checked for r	SMOH: new AD's thru 2006	N/A	
TACH: 100 hr/A AD 06-0	1691,3 Innual insp. comp 6-16 crankshaft r	HOBBS: Dieted this date. eplacement N/	2166.8 Checked for r A by M/N. AD (SMOH: new AD's thru 2006- 06-12-07 ECi cylind	N/A	
TACH: 100 hr/A AD 06-0 N/A not i ok. All o	1691.3 Innual insp. comp 6-16 crankshaft r installed. Compli cyl. 78/80. Chang	HOBBS: bleted this date, eplacement N// ied with AD 200 ged oil and filter	2166.8 Checked for r A by M/N. AD r 02-26-01 par. C r. Cut filter ope	SMOH: new AD's thru 2006- 06-12-07 ECi cylind fuel line inspection	N/A -23. lers	
TACH: 100 hr/A AD 06-0 N/A not i ok. All o with 8 qt	1691.3 Innual insp. comp 6-16 crankshaft r installed. Compli cyl. 78/80. Chang I. Aeroshell 15w5	HOBBS: Dieted this date. eplacement N// ied with AD 200 ped oil and filter O. Cleaned and	2166.8 Checked for r A by M/N. AD t 02-26-01 par. C r. Cut filter ope	SMOH: new AD's thru 2006- 06-12-07 ECi cylind fuel line inspection on. Checked ok. Se arkpluas. Repaired	N/A -23. lers	
TACH: 100 hr/A AD 06-00 N/A not i ok. All o with 8 qt broken g	1691.3 Innual insp. complete for the co	HOBBS: bleted this date, eplacement N// ied with AD 200 ged oil and filter 0. Cleaned and emator. Repla	2166.8 Checked for r A by M/N. AD t 02-26-01 par. C r. Cut filter ope d gapped all spa ced battery and	SMOH: new AD's thru 2006- 06-12-07 ECi cylind fuel line inspection on. Checked ok. So arkplugs. Repaired d alternator cooling	N/A -23. lers n check erviced	
TACH: 100 hr/A AD 06-00 N/A not it ok. All of with 8 qt broken g hose's.	1691.3 Innual insp. complete of crankshaft restalled. Completelyl. 78/80. Changer. Aeroshell 15w5 pround wire on altomplied with all	HOBBS: bleted this date, eplacement N// ied with AD 200 ged oil and filter 0. Cleaned and emator. Replate other 100 hr settles.	2166.8 Checked for r A by M/N. AD r 02-26-01 par. C r. Cut filter ope d gapped all spa ced battery and ervices as per c	SMOH: new AD's thru 2006- 06-12-07 ECi cylind fuel line inspection on. Checked ok. Searkplugs. Repaired atternator cooling checklist and FAR 4	N/A -23. lers n check erviced scat	
TACH: 100 hr/A AD 06-00 N/A not i ok. All o with 8 qt broken g hose's. (D. Engir	1691.3 Innual insp. complete for the co	HOBBS: bleted this date, eplacement N// ied with AD 200 ged oil and filter 0. Cleaned and emator, Replation to the 100 hr so leaks noted. I	2166.8 Checked for r A by M/N. AD 0 02-26-01 par. C r. Cut filter oped d gapped all speced battery and ervices as per of	SMOH: new AD's thru 2006- 06-12-07 ECi cylind fuel line inspection on. Checked ok. Searkplugs. Repaired atternator cooling checklist and FAR 4 line has been inspection.	N/A -23. lers n check erviced scat	
TACH: 100 hr/A AD 06-00 N/A not i ok. All o with 8 qt broken g hose's. D. Engir in accord	1691.3 Innual insp. complete for the co	HOBBS: bleted this date. eplacement N// ied with AD 200 ped oil and filter Cleaned and emator. Replacemator. Replacemator. Itelahis noted. I	2166.8 Checked for r A by M/N. AD 0 02-26-01 par. C r. Cut filter oped d gapped all speced battery and ervices as per of	SMOH: new AD's thru 2006- 06-12-07 ECi cylind fuel line inspection on. Checked ok. Searkplugs. Repaired atternator cooling checklist and FAR 4	N/A -23. lers n check erviced scat	
TACH: 100 hr/A AD 06-00 N/A not i ok. All o with 8 qt broken g hose's. D. Engir in accord	1691.3 Innual insp. complete of crankshaft restalled. Completel. The complete of the completel of the compl	HOBBS: bleted this date. eplacement N// ied with AD 200 ped oil and filter Cleaned and emator. Replacemator. Replacemator. Itelahis noted. I	2166.8 Checked for r A by M/N. AD r 02-26-01 par. C r. Cut filter oped gapped all spaced battery and ervices as per c certify this engespection and de	SMOH: new AD's thru 2006- 06-12-07 ECi cylind fuel line inspection on. Checked ok. Searkplugs. Repaired atternator cooling checklist and FAR 4 line has been inspection.	N/A -23. lers n check erviced scat	

MAXIMUM HOURS BETWEEN OVERHAULS_____HOURS,

DATE	TIME	RUN		SINCE	INSTALLATIONS, INSPECTIONS,
	HRS.	MIN.	HRS.	MIN.	NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
BROUGHT FORWARD -		-			
		•			
		DATE:	4/18/20	07	N NUMBER: 445DS TT ENGINE: 1750.6
		TACH:	1750.6		HOBBS: 2240.3 T.S.M.O: N/A
			•		
	Ch	ianged d iecked o	oli and fil ok. Endir	ter. Ser ne run-u	rviced with 8 qt. Aeroshell 15w50. Cut filter open.
	<u> </u>		-		At Chiar
	1				Steve E Piety AP 2840331 IA
	1				Sieve E Fiety AP 2840331 IA
	_	i			
	t	ı		, I	NUMBER: 445DS TT ENGINE: 1790.8
	ÐΑ	TE: 7/1.	/2007	N	
	TA	CH: 179	8.06		HOBBS: 2292.4 T.S.O.H: N/A
					ed this date. Checked for new AD's thru 2007-12. C/W par c. Checked ok. AD 06-20-09 N/A by M/N. AD changed oil and
		40 51/6	<u> </u>	· audindaı	are not inclaimed. All Cyllingers (0)00. Origing of oil are
	filter.	Filter ch	ecked o	k. Servi	Running ok No leaks noted. C/W all 100 hr services
		44	= = = = 1	3 43 AAA	v D. I venty this efforte has been inspessed
	accon	dance w	ith a 100	hr/Annu	wal inch and determined to be brail worth contained.
<u>.</u>	at this	ume.			Stime E. Pink
					Steve E Piety AP 2840331 IA
·-·					
·····	_				
	_				
_	_	DATE:	8/15/20	107	N NUMBER: 445DS TT ENGINE: 1842.6
			1842.6		HOBBS: 2358.1 T.S.O.H: N/A
	— Ch En	nanged o naine run	oil and fil: n-un ok	ter. Sen No leak	rviced with A/S 15w50 8 qt. Cut filter open. Checked ok.
		·g	. чр оп.	TTO ICCIN	Muc Tul -
1					Steve E. Piety AP 2840331 IA
	_				
	<u> </u>	 1	 Т	Т	
	_				
					CARRIED FORWARD
					CARRIED FORWARD
L THIS PAGE					CARRIED FORWARD

LICENCE Number



Date: 02/14/08N Number: N445DS

Tach: 1886.2 TT Engine: 1886.2 TSMOH: NA

Description of Work Performed:

Performed a 100 Hour inspection of engine in accordance with FAR Part 43, appendix D. Changed oil and filter using 8 quarts of Aeroshell 15 W 50 oil. Performed compression, results as follows: 1) 77/80, 2) 75/80, 3) 79/80 and 4) 76/80. Cleaned, gapped and tested all spark plugs. Installed new rocker box gaskets on cylinders #2 and 4. Installed new intake gaskets on cylinders #2 and 4. Installed new gasket on oil filler tube. Cut and inspected oil filter element for metal, no defects noted. AD's reviewed and complied with at this time, see AD compliance records for compliance times. Washed and ran engine to check for leaks and performance, found normal and returned to service.

t Certify that this engine has been inspected in accordance with an Angual inspection and it has been determined to be in airworthy condition.

M De on Allen Logan AP\$669982IA



<u>Date:</u> 5/23/2008 <u>N Number</u>: N445DS

Tach: 1937.1

Description of Work Performed:

Changed oil and Filter using 8 quarts of Aeroshell 15 W 50 oil. Washed and ran engine to check for leaks and performance. Found normal and returned to service.

David Mannarino AP3183009



Date: 8-8-2008

N Number:

N445DS

<u>Tach:</u> 1985.4 <u>TT Engine:</u> 1986.4 <u>TSMOH:</u> 1986.4

Description of Work Performed:

Performed a 100 Hour inspection of engine in accordance with FAR Part 43, appendix D. Changed oil and filter using 8 quarts of Aeroshell 15 W 50 oil. Performed compression, results as follows: 1) 79/80, 2) 77/80, 3) 76/80 and 4) 76/80. Cleaned, gapped and tested all spark plugs. Cut oil filter and inspected element and screen for metal, no defects noted. All AD's reviewed and complied with to date, see aircraft compliance records for compliance times. Washed and ran engine to check for leaks and performance, found normal and returned to service.

performance, found normal and returned to service.

| Certify that this engine has been inspected in accordance with a the hour inspection

and it has been determined to be in airworthy condition.

Allen Logan AP2669982IA

MAXIMUM HOURS BETWEEN OVERHAULS_____ HOURS

	TIME	RUN	TIME	SINCE HAUL	INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPL	ETE
DATE	HR5.	MIN.	HRS.	MIN.		
BROUGHT FORWARD		-				
			•	•		
		*SECIS	NON AIRCR.	ر <u>آ</u>	<u>Date:</u> 11/19/08 <u>N Number</u> : N445DS	
		Taca.	P		Tach: 2036.2	
		••	ZENAICS	-	Description of Work Performed:	
		engi	Change ine to che	ed oil and	Filter using 8 quarts of Aeroshell 15 W 50 oil. Washed and ran aks and performance. Found normal and returned to service.	
					951=	
					David Mannarino AP3183009	
					 -	
·	1	Precisi	on Airo	raft an	d Engine Services Inc.	
		ENGINE 1			iglewood, CO 80112	
		C/N+1-298	356-51A.]	Γime∴ SM'	I5DS; Type: DA-40; S/N: 40045; Tach: 2082.1; Engine - Type: \0-360-M1A, OH:	
		Shop Orde	er#: 0107	0, Closed:	3/26/2009 Diamond MSB-40-044/1with parts called out in the service bulletin. Removed spected other 3 for damage. Reinstalled overhauled riser on cylinder #2 (see	
					naust system with new gaskets. Ran engine to check for leaks.	C -
		Alla	m/h	DP (Ge	_Allen Logan AP2669982	
		T				
		Precis	ion Air	craft a	nd Engine Services Inc.	
<u></u>		ENCINE 1			inglewood, CO 80112	
		-IO-360-M	11A. S/N:	L-29856-5	145DS; Type: DA-40; S/N: 40045; Hobbs: 2669.0; Tach: 0.0; Engine - Type: 1A, Time: 2086.5, SMOH: 2086.5	
		Performe	ed annual sion, resu	inspection its as follo	ws 1) 76/80, 2) 75/80, 3) 75/80 and 4) 77/80. Drained oil and removed filter.	
		Cut filter Aeroshe	for inspec 15W50	ction and u oil. Clean	ed, gapped, and tested spark plugs. Installed 3 new REM38E spark plugs with	
		in accord	dance with	i Slick ove	mail mailtai. On left magneto, installed new	
<u> </u>		point kit	and new (carbon bru	ish, Set point gap and the fact has bose with new clamps. Tightened all	
		the clarr	nos on the	oil drain t	back noses. Instance 4 hours of this time, see recutring AD compliance	1
		records	for compl	iance time	II AD's reviewed and compiled with at this time, see the seed propeller as its. Checked and lubed engine controls. Inspected and dressed propeller as engine to check for leaks and performance. In inspected in accordance with an Annual Inspection and was determined to be the inspected in accordance with an Annual Inspection and was determined to be	-
	•	I certify	this Engir othy condi	tion.	in inspected in accordance that	<u> </u>
	•	A (1	en	Log	Allen Logan AP2669982IA	
	•			<u></u>		
					CARRIED FORWARD	
TOTAL THIS PA	GE					
TOTAL FROM	ARY					4 6 7
TOTAL						N. A. C.

	Precision Aircreft and E. C. C.		1
-	Precision Aircraft and Engine Services Inc.		LICENCE
ENTR	19294 F COULD LOWEL BY FULLEWOOM CO \$0445		NUMBER
	ENGINE 1		1
Tro-	Date: 0/00/ppec		
	Date: 9/09/2009; Aircraft: N445DS; Type: DA-40; S/N: 40045; Hobbs: 2734.8; Tach; 49.8; Engine • Type; PO-360-M1A, S/N: L-29856-51A, Time: 2136.3, SMOH: 2136.3		1 .
11 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	IO-360-M1A, S/N: L-29856-51A, Time: 2136.3, SMOH: 2136.3		1_
Rep 171 \$4.15	OND OND H. UISTA		
<u> </u>	Drained oil and removed filter. Cut filter for inspection and installed now the Drained oil and removed filter.		
744 (1). Ve	Drained oil and removed filter. Cut filter for inspection and installed new filter, P/N AA48110 and safetied. Serviced engine with 8 qts of 15 W 50 Aeroshell oil. Performed leak check on ground run.		
N	of D remainded leak check on ground run.		
1.	Allen Logan AP2669982	·	
S	2003902]
	-		
	B 11 At 5 5		ł
 .	Precision Aircraft and Engine Services Inc.		
	13252 E Control Tower Rd, Englewood, CO 80112		ŀ
_	ENGINE 1		
	Date: 5/20/2010; Aircraft: N445DS; Type: DA-40; S/N: 40045; Hobbs: 2800.3; Tach: 100.2; Engine - Type: IO-360-M1A_S/N: L-29856-514_Time: 2198.7_SMOU: 2498.7		
			!
	Performed Annual Inspection of engine in accordance with FAR Part 43, appendix D. Performed		
	compression, (esults as follows 1) 77/80, 2) 77/80, 2) 77/80 and 4) 77		
	compression, results as follows 1) 77/80, 2) 77/80, 3) 76/80 and 4) 77/80. Drained oil and removed filter.		
		ļ	
			· · · · · · · · · · · · · · · · · · ·
<u> </u>	I certify this Engine has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition ODD		
	in airyorthy condition.□□□		
T 3			
	A/I/I		
	Allen Logan AP2669982IA		
	/ Well Cogall AP200990ZIA		
	•		
	Provide At the American	1	
	Precision Aircraft and Engine Services Inc.		
	13252 E Control Tower Rd, Englewood, CO 80112	- 7	
	ENGINE 1		
	Date: 8/05/2010; Aircraft: N445DS; Type: DA-40; S/N: 40045; Hobbs: 2867.5; Tach: 151.0; Engine - Type:		
	10 300-M174, 0714, C-23000-31A, 11me; 2237.5 SMI)H- 7737 K		
	Drained oil and removed filter. Cut filter for inspection and installed new filter. DALA A 48140 and 1950; I		
	Serviced engine with 8 qts of 15 W 50 Aeroshell. Performed leak check on ground run.		
	A / P		
	Allen Logan AP2669982		
			
·	•		<u> </u>
	Precision Aircraft and Engine Services Inc.		
	1 100 5 Out And and Engine Services Inc.		
	13252 E Control Tower Rd, Englewood, CO 80112	\dashv	
	ENGINE 1	,	
	Date: 10/29/2010: Aircraft: NAASDS: Tuno: DA 42: C/8: 40045 11.14	\dashv	
	Date: 10/29/2010; Aircraft: N445DS; Type: DA-40; S/N: 40045; Hobbs: 2922.6; Tach: 195.8; Engine - Type IO-360-M1A, S/N: L-29856-51A, Time: 2282.3, SMOH: 2282.3	:]	
	Drained oil and removed filter. CVS Stee for in the CVS 222.3		
	Drained oil and removed filter. Cut filter for inspection and installed new filter, P/N AA49110-2 and	ļ	
· 	safetied. Serviced engine with 8 qts of 15 W 50 Aeroshell. Performed leak check on ground run.		
		}	
.	A// M. Allen Logan AP2669982		· ·
			
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19			

MAXIMUM HOURS BETWEEN OVERHAULS_____HOURS.

				EN	GINE & PROPELLER —	
Date 02-10-2012		N445D	_		ime 196.2 TSMO 2283.4	(E
Complied with a	100 hr i	nspectio	n iaw fa	r 43 app	endix D and a check list complied with routine serving law	
diamond service	guide re	moved (e <mark>ngine</mark> c	owlings	removed all plugs cleaned gapped and tested replaced one plug	
no other defects	noted d	rained o	il remov	ed filter	cut open no abnormal particles found at this time compression	
test readings 72-	-72-70-7	4 over 8	0 psi rep	olaced va	alve cover gaskets cleaned induction filter replaced gasket on oil	
fill tube replaced	missing	screws	on baffli	ng com	olied with ad 02-26-01 checked all controls for full travel no	
					ects none noted no sign of fluid leaks noted see airframe logs	
this time and date	e for mo	ore detai	ls on ins	pection	I certify that this engine has been inspected law a 100 hr	
inspection and ha	s been	determi	ned to h	e in airw	vorthy condition at this time Steven T Bush A&P3403641IA	
2 Kern D	Rush				- The state of the	
	1000					
	tulo 1	reldis	TSMO	Tach	N44202	
5 /s/12		29929		16,2	Tach time 18/2 + (23) after fich vere:	311.2
	†	1	123.0.1		4066 2992.9	<u></u>
AHn:				· 	Drained oil and removed Liber Out and issoc	
711) * 1 *				-		restall
The Tack	h T	2est	-			1
itself at	23	1 +	$> \emptyset$			<u>t , </u>
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So the	10	> 1/14-	رن) ٠			
due at						<u> </u>
aue ai	(C) C					
and the	52) Hr	1 3			
due at	15.	6			REPAIR STATION #: OMKR399L	
aue an	•				E.A.S.A. 145.5994	
	~	T=5	\Rightarrow		13251 E. CONTROL TOWER RD., BOX K-12 ENGLEWOOD, CO 80112	
		10,		.0	G ENTRY (303) 799-8906	
reproductive of the		A COM ON	TION.			
20 July 2012					SMOH: 2383.3 Tach: 65.1	_
(N445DS) - Straight	t Flight, Inc.	has perform	ed a 100 Ho	ur inspectio	m on the Engine by using Diamond DA40 Series MM Chapter 05-28-50 checklist as a guide. ression test: 1) 78/80 2) 76/80 3) 78/80 4) 76/80. 2) Drained oil and changed oil filter. ression test: 1) 78/80 2) 76/80 3) 78/80 4) 76/80. 2) Drained oil and changed oil filter. ression test: 1) 78/80 2) 76/80 3) 78/80 4) 76/80. 2) Drained oil and changed oil filter.	
Constant with Const	・サッ 16/8/5/1 /	secochell and	111 CH4811	Other, Grou	und rum satisfactory. 3) materies (2) men same year	
using standard prac	tices from U	ycoming O/H	i Manual, Ali	AD, s comp	DIEG WITH CHROUGH PAR DATE.	
<u>Release Statement</u>	i hereby cer	tifies that al	the above	maintenand	te and inspections have been accomplished in accordance with Straight Flight Inspection	
Procedure Manual,	FAR's gove	ming the op	eration of th	is equipmer	nt, referencing the standard practices in AC43.13 1B (current revision), and using Diamond the referencing the standard practices in AC43.13 1B (current revision), and using Diamond the referencing the standard practices and has been determined to be in an airworthy	
OA 40 cories males	tanance mai	ausle I certi	ify that this :	engine nas i	tr, referencing the standard protection and has been determined to be in an airworthy been inspected IAW a 100 HR Inspection and has been determined to be in an airworthy scility under project #6475.	
- /	1	C		-	<u> </u>	
- gall	See				TAL CDC #OMED200I	
John L. Sa	ar, Ins	pector,	Straigh	it Fligh	at, Inc., FAA CRS #OMKR399L —	
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TOTAL THIS PAGE	·					
TOTAL FROM PREVIOUS SUMMARY]			

TOTAL SINCE MFG.

Aspen Flying Club

	13000 E. Control Tower Rd. Bo	x K-16 Englewood, CC	80112		1
DRAW A DIA	09/06/12 Textron Lucoming IO-360 N445DS Tach: 0.1 Hobbs	D-M1A	SN: L-29856-51A	TURE	LICENC
<u> </u>	Drained engine oil sump and inspected oil filter	r No motal maked com-			1
	Account of the state of the sta	Itor (14/19/11/11/11/14/14/14/14/14/14/14/14/14/14/			
	checks good. Tach was reset at 114.4 due to ba Aviation. Aircraft ok for service.	ittery replacement in th	e DPU by Duncan		
<u> </u>	Aviation. Afficialt of Ibr service.				1.
	Josh Vanterpool AP2817060	nh T			<u></u>
	4/	10 - 0]
					
<u></u>	Annua Filida Cil 1	•			<u> </u>
	Aspen Flying Club				
	13000 E. Control Tower Rd. Engley	wood, CO 80112	. —		†
— N445DS	Textron Lycoming IO-360-M1A	SN: L-29856-51A	· <u>·</u>		
12/11/12	Tach: 49.8	Hobbs: 3183.8			
-	_				<u> </u>
100 Hour	Inspection completed on this date using the DA40 MM compression test: 1) 78/80, 2) 77/80, 3) 75/80, 4) 76/80.	M 100 Hour Inspection Che	ck List.		
- inspected	oil filter. No metal noted. Serviced engine with 8 qts. o.	. Drained engine oil remov of Aeroshell ISWSA Renis	ed and		1
filter with	new CH48110-1. Cleaned induction air filter, Complete	ted a 500 Hour inspection of	n the left		
and right:	magneto IAW Slick overhaul manual, Replaced primary	v contact in right magneto.	with new		<u> </u>
p/n M308	 Replaced primary and retard contacts p/n 3637 (2 ea. gnetos and timed magnetos to engine. Replaced oil and) in the left magneto, Inter-	nally		
Replacem	ent Requirements. Ref. attached TSO cert. in airframe	fuel noses IAW DA40 MA	1		
_	2011-26-04 Fuel Injector Lines, by inspecting fuel ini	iector lines. No defects not	ed AD's		<u> </u>
check thro	ough bi-weekly 2012-22. Operational and leak checks go	ood. I certify that this end	rine has		
been insp	ected IAW a 100 hour inspection and was determine	ed to be in airworthy con-	lition. ———		┿
_	111				
lonathan	Coupal A&P3427289				
	Joupal A073427289				- -
			l		
-					
-	Aspen Flying Club				<u> </u>
	13000 E. Control Tower Rd. Englewo	ood, CO 80112			1
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_ N445DS	Textron Lycoming IO-360-M1A	SN: L-29856-51A	<u></u>		<u> </u>
03/01/13	Tach: 104.1 TTSN:2535.7	Hobbs: 3231.9			
- Annual Inc	pection completed on this date using the DA40 MM 10	A Hour Inconstion Charles	int		
 Cylinder co: 	mpression test: 1) 77/80, 2) 79/80, 3) 77/80, 4) 77/80, D	rained engine oil removed	and ———		
inspected of	I filter. No metal noted, Serviced engine with 8 qts, of A	Aeroshell 15W50, Replace	i oil		
- filter with n	ew CH48110-1. Cleaned and serviced induction air filte	r. Installed SAF-AIR oil q	uick 		
aram p/n P3 defects note	00. C.W. AD 2011-26-04 Fuel Injector Lines, by inspect next due tach: 204.1. AD's check through bi-weekly	secting fuel injector lines.	No		
checks good	l. I certify that this engine has been inspected IAW a	n Annual inspection and	Was		
	to be in airworthy condition.	A			+
- Inchus Vast	arread A 8 M29170601A	4			1
JUSHIIA VAH	erpool A&P2817060IA	/ ~			
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DATE	TIME	RUN	OVER	SINCE Haul		INSTALLATIONS		
	HRS.	MIN.	HRS.	MIN.	NOTE: USE BOT	TH PAGES AND AS MANY	LINES AS REQUIRED FOR COMPL	LETE
BROUGHT FORWARD "		•		,	1	Aspen Flying Club		
			 	13		Tower Rd. Englew	700d, CO 80112	
						a a v a a a a a a a a a a a a a a a a a	-	
			N445 06/06	-	Textron Lyc Tach: 203.8	oming IO-360-M1A	SN: L-29856-51A Hobbs: 3355.4	<u> </u>
			Cyline inspect filter M750 Inject throug	der compre sted oil filt with new A 2-72. Repl tor Lines, l gh bi-week	ession test: 1) 78/80, 2 er. No metal noted. Se A48110-2. Cleaned it aced #3 cyl. bottom le by inspecting fuel injet by 2013-10. Operation	2) 77/80, 3) 75/80, 4) 76/80. erviced engine with 8 qts. of nduction air filter. Replaced and with new p/n M7502-72. ector lines. No defects noted	1 100 Hour Inspection Check List. Drained engine oil removed and Phillips X/C 20W50. Replaced oil #2 cyl. bottom lead with new p/n . C.W. AD 2011-26-04 Fuel . Next due tach: 303.8 AD's check certify that this engine has been to in airworthy condition.	
			_ Jonati	ıan Coupal	A&P3427289		_	
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				Aenem I	Flying Club			 .
	1.	3000 E.			Rd. Englewoo	d. CO 80112		
						2, 55 00112	 	
	445DS 7/26/13		l'extron Lyc l'ach: 248,1		-360-M1A	SN: L-29856-51A. Hobbs: 3409.4		
D	rained engine							
Pi	nillips XC 25	oil remove W50. Repla	ed and inspe-	ected oil til er with nev	lter. No metal noted. S v AA40110-2. Operat	Serviced engine with 8 qts. o	of	
Pl	nillips XC 25 ircraft ok for	W50. Repla	ed and insper seed oil filte	ected oil til er with new	lter. No metal noted, 5 v AA40110-2. Operat	Serviced engine with 8 qts. o ional and leak checks good.	of	_
A	nillips XC 25' ircraft ok for	W50. Repla service.	ced oil filte	ected oil til er with new	lter. No metal noted. S v AA40110-2. Operat	Serviced engine with 8 qts. o ional and leak checks good.	of	
A	ıillips XC 25'	W50. Repla service.	ced oil filte	ected oil til er with new	iter, No metal noted, 5 v AA40110-2. Operat	Serviced engine with 8 qts. o ional and leak checks good.	of	
A	nillips XC 25' ircraft ok for	W50. Repla service.	ced oil filte	ected oil filer with new	iter, No metal noted, S v AA40110-2. Operat	Serviced engine with 8 qts. o ional and leak checks good.	of	
A	nillips XC 25' ircraft ok for	W50. Repla service.	ced oil filte	ected oil til	iter, No metal noted, 5 v AA40110-2. Operat	Serviced engine with 8 qts. of ional and leak checks good.	of	
A	nillips XC 25' ircraft ok for	W50. Repla service.	ced oil filte	er with new	v AA40110-2. Operat	Serviced engine with 8 qts. of ional and leak checks good.		
A	nillips XC 25' ircraft ok for	W50. Repla service. &P3427289	aced oil filte	Aspe	n Flying Club	ional and leak checks good.	of	
A	nillips XC 25' ircraft ok for	W50. Repla service. &P3427289	aced oil filte	Aspe	n Flying Club	Serviced engine with 8 qts. of ional and leak checks good.		
A	illips XC 25' ireraft ok for n Coupal Að	W50. Repla service. &P3427289	E. Cont	Aspe trol Tov	n Flying Club	ood, CO 80112 SN: L-29856-51A		
A	illips XC 25' ireraft ok for n Coupal Að	W50. Repla service. &P3427289	E. Cont	Aspe trol Tov	n Flying Club ver Rd. Englew	ood, CO 80112		
A	N445DS 09/12/12	W50. Repla service. &P3427289	E. Cont Textron Tach: 2	Aspe trol Tov Lycoming 96.0	n Flying Club ver Rd. Englew (10-360-MIA	vood, CO 80112 SN: L-29856-51A Hobbs: 3466.3	k List.	
A	N445DS 09/12/12 Cylinder oc inspected o	W50. Replaservice. &P3427289 13000 Inspection ompression it filter. No	E. Cont Textron Tach: 2 completed test: 1) 78/ metal note	Aspe trol Tov Lycoming 96.0 on this date 80, 2) 51/8 d. Installed	n Flying Club ver Rd. Englew (IO-360-MIA) c using the DA40 MM (0, 3) 80/80, 4) 80/80. 1#2 cylinder after rep	yood, CO 80112 SN: L-29856-51A Hobbs: 3466.3 4 100 Hour Inspection Check Drained engine oil removed air by ACE, Inc. Buss Ave.	k List.	
——— A	N445DS 09/12/12 100 Hour I Cylinder co inspected of Greeley, C	W50. Replaservice. &P3427289 13000 Inspection ompression ill filter. No CO 80631. NO CO 80631	E. Cont Textron Tach: 2 completed test: 1) 78/ metal note dormal com	Aspe trol Tov Lycoming 96.0 on this date 80, 2) 51/8 d. Installed apression for	n Flying Club ver Rd. Englew (10-360-MJA) e using the DA40 MM (0, 3) 80/80, 4) 80/80 1 #2 cylinder after rep ound after installation	yood, CO 80112 SN: L-29856-51A Hobbs: 3466.3 100 Hour Inspection Check Drained engine oil removed air by ACE, Inc. Buss Ave. of repaired cylinder. Service	k List.	
A	N445DS 09/12/12 100 Hour I Cylinder ed inspected of Greeley, C engine with 2011-26-04	MSO. Replaservice. RP3427289 13000 Inspection of the control of	E. Cont Textron Tach: 2 completed test: 1) 78/ metal note Rormal con hillips Typ etor Lines,	Aspe trol Tov Lycoming 96.0 on this date 80, 2) 51/8 d. Installed appression for e M 20W5 by inspect	n Flying Club ver Rd. Englew (10-360-MIA) c using the DA40 MM (0, 3) 80/80, 4) 80/80. 1#2 cylinder after rep ound after installation 0. Replaced oil filter ting fuel injector line	sonal and leak checks good. Food, CO 80112 SN: L-29856-51A Hobbs: 3466.3 Formula engine oil removed. Drained engine oil removed air by ACE, Inc. Buss Ave. Formula of repaired cylinder. Service with new AA48110-2. C.W. Es. No defects noted. Next of the control of the cont	k List. I and ed . AD	
Pi A	N445DS O9/12/12 100 Hour I Cylinected of Greeley, C engine with 2011-26-04 tach: 396.6	MSO. Replaservice. 2P3427289 13000 Inspection of propersion il filter. No O 80631. No 8 qts. of P I Fuel Inject D AD's chee	E. Cont Textron Tach: 2 completed test: 1) 78/ metal note hillips Typ ctor Lines, ck through	Aspe trol Tov Lycoming 96.0 on this date 80, 2) 51/8 d. Installed pression for the M 20W5 by inspection-weekly	n Flying Club ver Rd. Englew (10-360-M1A) c using the DA40 MM (0, 3) 80/80, 4) 80/80. 1#2 cylinder after rep ound after installation 0. Replaced oil filter ting fuel injector line 2013-18. Operational	yood, CO 80112 SN: L-29856-51A Hobbs: 3466.3 100 Hour Inspection Check Drained engine oil removed air by ACE, Inc. Buss Ave. of repaired cylinder. Service with new AA48110-2. C.W.	k List. l and ed . AD	
Pi A Jo	N445DS 09/12/12 100 Hour I Cylinder oc inspected of Greeley, C engine with 2011-26-04 tach: 396.6	13000 Inspection of properties of Pt Fuel Injection of Pt	E. Cont Textron Tach: 2 completed test: 1) 78/ metal note kormal conthillips Type ctor Lines, kk through	Aspe trol Tov Lycoming 96.0 on this date 80, 2) 51/8 d. Installed typression for by inspect bi-weekly a	n Flying Club ver Rd. Englew (IO-360-MJA) e using the DA40 MN 0, 3) 80/80, 4) 80/80. 1 #2 cylinder after rep ound after installation 0. Replaced oil filter v ting fuel injector line 2013-18. Operational 100 hour inspection	sn: L-29856-51A Hobbs: 3466.3 100 Hour Inspection Check Drained engine oil removed air by ACE, Inc. Buss Ave. of repaired cylinder. Service with new AA48110-2. C.W. es. No defects noted. Next of and leak checks good. I cer-	k List. l and ed . AD	
tem CYL	N445DS 09/12/12 100 Hour I Cylindered of Greeley, C engine with 2011-26-04 tach: 396.0	MSO. Replaservice. 2P3427289 13000 Inspection of properties of the properties of the properties of Plaser of Plas	E. Cont Textron Tach: 2 completed test: 1) 78/ metal note Normal com hillips Type ctor Lines, ck through the inspect	Aspe trol Tov Lycoming 96.0 on this date 80, 2) 51/8 d. Installed spression for e M 20W5 by inspector- bi-weekly in	n Flying Club ver Rd. Englew (IO-360-MJA) e using the DA40 MN 0, 3) 80/80, 4) 80/80. 1 #2 cylinder after rep ound after installation 0. Replaced oil filter v ting fuel injector line 2013-18. Operational 100 hour inspection	sn: L-29856-51A Hobbs: 3466.3 100 Hour Inspection Check Drained engine oil removed air by ACE, Inc. Buss Ave. of repaired cylinder. Service with new AA48110-2. C.W. es. No defects noted. Next of and leak checks good. I cer-	k List. l and ed . AD	
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tem CYL lake and Mod stomer A	N445DS O9/12/12 100 Hour I Cylinder oc inspected Greeley, C engine with 2011-26-04 tach: 396.0	13000 Inspection in pression in filer. No io 80631. N is quite. of P i Fuel Inject AD's check regime has be- audition.	E. Cont Textron Tach: 2 completed test: 1) 78/e metal note hillips Typ ctor Lines, ck through	Aspetrol Tov Lycoming 96.0 on this date 80, 2) 51/8 d. Installed pression for M 20W5 by inspectoi-weekly sted IAW a	n Flying Club ver Rd. Englew (10-360-MIA) c using the DA40 MM (0, 3) 80/80, 4) 80/80. 1#2 cylinder after rep ound after installation 0. Replaced oil filter ting fuel injector line 2013-18. Operational 100 hour inspection	sn: L-29856-51A Hobbs: 3466.3 100 Hour Inspection Check Drained engine oil removed air by ACE, Inc. Buss Ave. of repaired cylinder. Service with new AA48110-2. C.W. es. No defects noted. Next of and leak checks good. I cer-	k List. l and ed . AD	
tem CYL	N445DS O9/12/12 100 Hour I Cylinder of Greeley, Cengine with 2011-26-04 tach: 396.6 Spen F 2427	13000 Inspection in filter. No io 80631. N 8 qts. of P I Fuel Inject AD's checkingine has be- andition.	E. Cont Textron Tach: 2 completed test: 1) 78/ metal note Normal com hillips Typ ctor Lines, ck through seen inspec	Aspetrol Tov Lycoming 96.0 on this date 80, 2) 51/8 dayression for M 20W5 by inspection-weekly attended IAW at 1500-M	n Flying Club ver Rd. Englew (10-360-M1A) c using the DA40 MM (0, 3) 80/80, 4) 80/80. 1#2 cylinder after rep pound after installation 0. Replaced oil filter ting fuel injector line 2013-18. Operational 100 hour inspection	sn: L-29856-51A Hobbs: 3466.3 100 Hour Inspection Checl Drained engine oil removed air by ACE, Inc. Buss Ave. of repaired cylinder. Servic with new AA48110-2. C.W. es. No defects noted. Next of and leak checks good. I cern and was determined to be	k List. l and ed . AD	
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ASPEN	1	Aspen Flyi 13000 E. Control Tower Rd	ing Club Englewood, CO 801	12			\dashv
	N445DS	Lycoming IO-369		SN:L-29 85 6-51A		<u></u>	
100 Har Ingnasti	02/19/14	Tach: 394.6 n this date using the D.A		Hobbs: 3587.6 rr Inspection Check	·		
il List Cylinder cor	noression test:	1) 80/80, 2) 7Z/80, 3) No metal noted. Service	76/80, 4) 72/80,	Dramed engine oil	1 -		$\neg \uparrow$
20W50, Replaced	oil filter with	new CH48110-1. Clean lines, Found no.2 upper c	ned induction air .	filter. Fuel Injector] —		
removed cleaned a	is required re-in	stalled and performed leakly 2014-02. Operationa	ak check with, no (defects noted at this			
this engine has b	een inspected	IAW a 100 hour inspe to service for the work pe	ection and was d	etermined to be in	-		
Ben Swink A&P		-5-			<u> </u>		
)		╝┌─		
					•		-
	7			RE		ION #: OMKR39 A. 145.5994	9L
				13251 E.	CONTROL	TOWER RD., B	BOX K-
Straig			OG EN	TRY		OOD, CO 80112 799-8906	
A SUBSIDIARY OF SIEF	RRA NEVADA COR	PORATION					
9 April 2014		TTAC: 2845.5	Tach: 413.9	TTSN: 2845.5			1_
(ALGAS DEL STATE	ght Flight, Inc. h	as performed the following	v: 1) Performed 100	Ohr inspection by follow	ng FAR part 43	3 Appendix D as a guid /N CH48110-1. Service	ie. ed with
(N445DS)- Engine- Strai 2) Performed engine co	mpression test: 1	TTAC: 2845.5 as performed the following b) 78/80 2) 77/80 3) 77/80 ak check found satisfactor	g; 1) Performed 100 0 4) 78/80, 3) Chang	Ohr inspection by follow	ng FAR part 43 ced oil filter P,	3 Appendix D as a guid /N CH48110-1. Service	de. ed with
(M445DS)- Engine- Stral 2) Performed engine co Phillips XC 20W50 9 qua Release Statement	mpression test: 1 irts oil. Ground le	es performed the following L) 78/80 2) 77/80 3) 77/80 Lak check found satisfactor	g: 1) Performed 100 0 4) 78/80, 3) Chang ry.	Ohr inspection by follow ged engine oil and repla	ced oil filter P,	/N CH48IIU-I. SERVIC	ec willi
(N445DS)- Engine- Strai 2) Performed engine co Phillips XC 20W50 9 qua Release Statement:	mpression test: I irts oil. Ground le by certifies that a	es performed the following L) 78/80 2) 77/80 3) 77/80 Lak check found satisfactor	g: 1) Performed 100 0 4) 78/80, 3) Chang ry.	Ohr inspection by follow ged engine oil and repla has been accomplished	ced oil filter P, in accordance :	with Straight Flight Ins	ec with
(N445DS)- Engine- Strail 2) Performed engine co Phillips XC 20W50 9 qua Release Statement: Straight Flight, Inc. here Procedure Manual, FAR'	mpression test: Ints oil. Ground le by certifies that a s governing the opening the openin	es performed the following 1) 78/80 2) 77/80 3) 77/80 tak check found satisfactor all the above maintenance peration of this equipment, is engine has been inspect	g: 1) Performed 100 0.4) 78/80, 3) Chang ry. and/or inspections referencing the star ted IAW a 100hr ins	Ohr inspection by follow ged engine oil and repla has been accomplished ndard practices in AC43 spection and determines	ced oil filter P; in accordance : 3 18 (current n	with Straight Flight Ins evision), and Diamond	ec with
(N445DS)- Engine- Strail 2) Performed engine co Phillips XC 20W50 9 qua Release Statement: Straight Flight, Inc. here Procedure Manual, FAR'	mpression test: Ints oil. Ground le by certifies that a s governing the opening the openin	es performed the following L) 78/80 2) 77/80 3) 77/80 Lak check found satisfactor	g: 1) Performed 100 0.4) 78/80, 3) Chang ry. and/or inspections referencing the star ted IAW a 100hr ins	Ohr inspection by follow ged engine oil and repla has been accomplished ndard practices in AC43 spection and determined	ced oil filter P; in accordance : 3 18 (current n	with Straight Flight Ins evision), and Diamond	ec with
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(M445DS)- Engine- Strail 2) Performed engine co Phillips XC 20W50 9 qua Release Statement: Straight Flight, Inc. here Procedure Manual, FAR' DA 40 Maintenance Ma approved for return of st	mpression test: I irts oil. Ground le by certifies that a s governing the o nuals. I certify th arvice. Information	es performed the following 1) 78/80 2) 77/80 3) 77/80 tak check found satisfactor all the above maintenance peration of this equipment, is engine has been inspect	g: 1) Performed 100 0 4) 78/80, 3) Chang ry. and/or inspections areferencing the star ted IAW a 100hr ins Straight Flight facility	Ohr inspection by follow ged engine oil and replated has been accomplished indard practices in AC43.2 spection and determined y under project #7347.	ced oil filter P; in accordance : 3 18 (current n	with Straight Flight Ins evision), and Diamond	spection Aircraft
(M445DS)- Engine- Strail 2) Performed engine co Phillips XC 20W50 9 qua Release Statement: Straight Flight, Inc. here Procedure Manual, FAR' DA 40 Maintenance Ma approved for return of st	mpression test: I irts oil. Ground le by certifies that a s governing the o nuals. I certify th arvice. Information	as performed the following 1) 78/80 2) 77/80 3) 77/80 61 77/80 62 77/80 63 77/80 64 78/80 78/80 64 78/80 78/80 78/80 78/80 78/80 78/80 78/80 78/80 78/80 78/80 78/80 78/80 78/80 78/80 78/80 78/80 78/80	g: 1) Performed 100 0 4) 78/80, 3) Chang ry. and/or inspections areferencing the star ted IAW a 100hr ins Straight Flight facility	Ohr inspection by follow ged engine oil and replated has been accomplished indard practices in AC43.2 spection and determined y under project #7347.	ced oil filter P; in accordance : 3 18 (current n	with Straight Flight Ins evision), and Diamond	spection Aircraft
(M445DS)- Engine- Strail 2) Performed engine co Phillips XC 20W50 9 qua Release Statement: Straight Flight, Inc. here Procedure Manual, FAR' DA 40 Maintenance Ma approved for return of st	mpression test: 1 irts oil. Ground le by certifies that a s governing the oi nuals. I certify th arvice. Information pector, Strai	as performed the following 1) 78/80 2) 77/80 3) 77/80 3 77/80	g: 1) Performed 100 0 4) 78/80, 3) Chang ry. and/or inspections in referencing the started IAW a 100hr ins straight Flight facility A CRS #OMk	Ohr inspection by follow ged engine oil and replated and representation and determined and reproject #7347.	ced oil filter P; in accordance : 3 18 (current n	with Straight Flight Ins evision), and Diamond	spection Aircraft
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(N445DS)- Engine- Strail 2) Performed engine co Phillips XC 20W50 9 qua Release Statement: Straight Flight, Inc. here Procedure Manual, FAR' DA 40 Maintenance Ma approved for return of s John L. Saar, Ins	mpression test: 3 irts oil. Ground le by certifies that a s governing the oi nuals. I certify th price. Information pector, Strain N445DS 06/25/14	as performed the following 1) 78/80 2) 77/80 3) 77/80 1) 78/80 2) 77/80 3) 77/80 12 Aspen Flyi 15000 E. Control Tower Rd. Lycoming 10-366 Tach: 454.2	g: 1) Performed 100 0 4) 78/80, 3) Chang ry. and/or inspections in referencing the started IAW a 100hr ins straight Flight facility A CRS #OMk ing Club i. Englewood, CO 801 0-MIA	Ohr inspection by following and engine oil and replated and engine oil and replated and practices in AC43.2 spection and determined y under project #7347. CR399L 112 SN:L-29856-51A Hobbs: 3665.8	n accordance of 318 (current note to be in airw	with Straight Flight Ins evision), and Diamond	spection Aircraft
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(N445DS)- Engine- Strail 2) Performed engine co Phillips XC 20W50 9 qua Release Statement: Straight Flight, Inc. here Procedure Manual, FAR' DA 40 Maintenance Ma approved for return of s John L. Saar, Ins Drained engin Serviced engin	mpression test: 1 irts oil. Ground le by certifies that a s governing the oi nuals. I certify th price. Information pector, Strain N445DS 06/25/14 ne oil. Rem ne with 7 qts	as performed the following 1) 78/80 2) 77/80 3) 77/80 1) 78/80 2) 77/80 3) 77/80 12	g: 1) Performed 100 0 4) 78/80, 3) Chang ry. and/or inspections in referencing the started IAW a 100hr ins straight Flight facility ing Club	ohr inspection by following and replaced engine oil and replaced engine oil and replaced engine oil and replaced engine oil and complished index practices in AC43.2 spection and determined yunder project #7347. KR399L 112 SN:L-29856-51A Hobbs: 3665.8	n accordance of 318 (current note to be in airw	with Straight Flight Ins evision), and Diamond	ec with spection Aircraft
(N445DS)- Engine- Strail 2) Performed engine co Phillips XC 20W50 9 qua Release Statement: Straight Flight, Inc. here Procedure Manual, FAR' DA 40 Maintenance Ma approved for return of s John L. Saar, Ins Drained engin Serviced engin	mpression test: 1 irts oil. Ground le by certifies that a s governing the op nuals. I certify th arvice. Information Pector, Strain N445DS 06/25/14 ne oil. Rem ne with 7 qts 0-1). Operation	as performed the following 1, 78/80 2) 77/80 3) 77/80 3;	g: 1) Performed 100 0 4) 78/80, 3) Chang ry. and/or inspections in referencing the started IAW a 100hr ins straight Flight facility ing Club	ohr inspection by following and replaced engine oil and replaced engine oil and replaced engine oil and replaced engine oil and complished index practices in AC43.2 spection and determined yunder project #7347. KR399L 112 SN:L-29856-51A Hobbs: 3665.8	n accordance of 318 (current note to be in airw	with Straight Flight Ins evision), and Diamond	spection Aircraft

	ACDENI	Aspen Flying Club	AND
		Aspen Flying Club 3000 E. Control Tower Rd. Englewood, CO 80112	
DATE	N445DS 7-17-15	Lycoming IO-360-M1A SN:L-29856-51A Tach: 3746.7 Hubba: 3520.9	IS, JIRED FOR COMPLETE
	1. C/w this inspection per FAR 43 a	pdx d and found good for return to service.	
ROUGHT _	2. Compression 1)70, 2)79,3)77, 4) 3. AD 11-26-04 fuel injection lines	78 found anothat this time.	—
ORWARD	4 Replaced sparkplugs with new pl	ugs.	<u></u>
	5. Changed oil and filter and service	e with Phillips 20W50.	
	6. Checked mag to engine timing at 7. Ground run a leak checked and n	id found good.	
	I certify that this engine has been	inspected in accordance with a 100 hour inspection and was	
	determined to be in all walling cond	ition.	
	Hound Don A&P3506064		
+			<u> </u>
	ACDENI	Aspen Flying Club	
	AS LIN	13000 E. Control Tower Rd. Englewood, CO 80112	
		ANY T MARKE PL	
	N445DS	Lycoming IO-360-M1A SN:L-29856-51A Tach: 5.32.4 Hobba: 3760.8	
	10-17-16	ed on this date using the DA40 MM 100 Hour Inspection	
	Charle Liet Culinder commes	sion test: 1) 79/80, 2) 78/80, 3) 79/80, 4) 76/60, Diamed	
_	marine oil removed and inspec	ted oil tilter. No metal noted. Serviced engine with a qus. of	<u> </u>
	DE:Iline V/C 20W50 Replaced	oil filter with new CH48110-1. Cleaned induction an inter-	10
	spark plugs and fuel nozzles	Complied with AD11-26-04 by inspecting fuel lines: no	
	defectes noted. AD's check the	trough bi-weekly 2016-20. Operational and leak checks good, en inspected IAW a 100 hour inspection and was determined	·
	I certify that this engine has be	id returned to service for the work performed above.	1
	į.	T A a.	<u> </u>
	Alberto Pizzato A&P 2522916	We mile of the	
		4(**	_1
		Date: 5/11/2017	
$^{-}$ R $^{\circ}$	AS	Acft Reg: N445DS	
_ \	A	Flight Tach: 579.4	
ROCKY A	IOUS TAIN	ENGINE	
— AIRCRAI	SERVICES -	ENGRE	_
11750 Airp	ort Way Hanger B-12A		
Broomfield	CO, 80021	•	
_		oshell 15W50. Removed old oil filter and cut for inspection,	, no
Drained oil	and serviced sump with 8 Qts Aero	etied new tempest oil filter P/N 48110. Ground run/ops/leak	
contaminan	s found. Installed torqued and sale	is approved for return to service for the above accomplished	i
— check is sati	stactory at this time. This another	** of Province	
workEN	A	A&P3083586	
Inetin Parro	w Juster Clarran		
	7		
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		CARRIED FORWARD	
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AL THIS PAGE		CARRIED FORWARD	

TOTAL SINCE MFG.

EN TRIES	Completed engine ma 60294-7 and parts inspected. Crankshaf reground/certified; ne camshaft) STC SE00 cylinder assemblies connecting rod bearing new stressed fastene overhauled/exchanged magnetos, spark plug divider, fuel pump, pre	ajor overhaul this date manual PC-306-14. t, crankcase, and con w lifters installed. Pert 1590DE (FAA form 3 installed. Engine rea legs, new connecting re ers, and all new gas l or new as follows:	in reference with Ly All internal steel necting rods overhaus ormed Centri-Lube 37 filed this date). Seembled using new d bolts and nuts, new Sky-Tec starters; alternator (and il cooler. Maintenants)8.	coming overhaul manual parts magnetic particle uled/certified. Camshaft Technologies (self-oiling Factory new Lycoming w crankshaft main and ew vernatherm valve, all ngine accessories were er; new Champion/Slick belt), fuel servo, flow ice release tags and A.D.	
		Fuel Servo		SERIAL 14110462 17040787 N/A F4L-511601 C050005 72H31202 0137824 0COI20 12376715A 257 I Forward	
reinfo both hoses servio Jame	Date: 7-21-2017 Eng. Model: IO-3 pleted engine installation Aeroshell 100ND oil; neorced/repaired as required throttle and mixture cabs installed. Functional and the Reference RO# 10498 S. E. Crisman 3220001	d. New starter ring-gear les. New Teffon (integral leak tests satisfactory.	38.5 Reg. No.: N445 9856-51A SMOH: 0 aul or overhaul. Engine s naust riser repaired/ce installed. New rod en	DS	77 30(2.0

ENGINE SERVICE AND Date: 07-26-2017 Acft Reg: N445DS Flight Tach: 3843.4 TIONS. AIRCRAFT SERVICES (REQUIRED FOR COMPLETE **ENGINE** 11750 Airport Way Hanger B-12A Broomfield CO, 80021 Drained oil and serviced sump with 8 qts aeroshell 100 oil. Removed old oil filter and cut for inspection, no defects found. Installed torqued and safetied new AA48110-2 oil filter. Removed and replaced cylinder #1, #2, #3 and #4 valve cover gaskets with new gaskets P/N RG-75906. Ground run and operational check is satisfactory at this time. This aircraft is approved for the return to service for the above accomplished work. ----END-----_____ A&P 3918566 Date: 8/30/2017 Acft Reg: N445DS ROCKY MOUNTAIN Flight Tach: 632.5 AIRCRAFT SERVICES LIG SMOH: 43.1 11750 Airport Way Hanger B-12A **ENGINE** Broomfield CO, 80021 Performed a 100HR/Annual inspection in accordance with FAR 43 App (D) and Diamond DA40 checklist. Drained oil and serviced sump with 8 Qts Aeroshell 15W50. Removed old oil filter and cut for inspection, no contaminants found. Installed torqued and safetied new tempest oil filter P/N 48110. Removed all spark plugs, cleaned, gapped and tested. Reinstalled plugs using (8) new Gaskets P/N M674 and torqued to 30 FT pounds. Compressions as follows #1 74 #2 80 #3 79 #4 78 all over 80 PSI. Inspected fuel and oil screens as required. Inspected exhaust and intake system for leaks or other defects. C/W AD 15-11 Fuel injection line inspection. Inspected routing and security, no defects found. Next due at Tach: 732.5. C/W MSB 40-033 Exhaust riser inspection per instructions. No defects found. Next due at Tach: 732.5. Ground Run/Ops/Leak check all satisfactory at this time. I certify that this Engine has been inspected in IAW a 100HR/Annual inspection and has been found to be in airworthy condition and is approved for return to service at this time. ——END------A&P3083586IA Date:10/19/2017 Acft Reg: N445DS Flight Tach: 651 650.1 **ROCKY MOUNTAIN** AIRCRAFT SERVICES ELG Engine 11750 Airport Way Hanger B-12A Broomfield CO, 80021 Drained oil and serviced sump with 8Qts Aeroshell 15W-50. Removed oil filter and cut for inspection. No contaminants noted at this time. Installed torqued and safetied new oil filter P/N 48110. Daniel Ruley A&P3918566 CARRIED FORWARD OTAL THIS PAGE TOTAL FROM REVIOUS SUMMARY TOTAL SINCE MEG.

MOUNTAIN
AFT SERVICES ITE

11/50 Airport Way Hanger B-12A
3 froomfeild CO, 80021

Date: 12/21/2017 Acft Reg: N445DS Flight Tach: 730.5

Engine

NATURE LICENCE NUMBER

		.
Performed a 100HR inspection in accordance with FAR 43 App(D) and Diamond checklist.	<u> </u>	_
The stand oil and serviced sump with 8ats Aeroshell 15W-50 oil. Removed oil filter and cut for		
inspection. No defects noted at this time. Installed torqued and safetied new P/N 48110 oil filter.	-	_
Compressions as follows: 1-66 2-76 3-75 4-76 all over 80psi. Inspected fuel/oil screens as		, <u> </u>
required. Checked magneto to engine timing and adjusted to 25deg BTDC. Removed cleaned		•
gapped and tested sparkplugs. Reinstalled sparkplugs with new P/N M674 gaskets and torqued.		
Inspected induction and exhaust for leaks or defects. C/W AD 15-19-07 Fuel injection line		
inspection. Inspected routing and security, no defects found. Next Due Tach 830.5 C/W MSB		
40-033 Exhaust riser inspection per instructions, no defects noted. Next Due Tach 830.5 Ground		
run/ops/leak check satisfactory at this time. I certify that this Engine has been inspected in accordance with a 100HR inspection and is approved for return to service at this time.		
		f
-End-		<u> </u>
Clinton Cook A&P 3574567		
Chinton Cook 2019 12 1 Ager 3514301		

R AS

ROCKY MOUNTAIN
AIRCRAFT SERVICES 112
11750 Airport Way Hanger B-12A
Broomfield CO, 80021

Date: 01/04/2018 Acft Reg: N445DS Flight Tach: 730.6 Engine

~n/ops/icc

Removed fuel servo and flow divider and sent to Precision Airmotive for overhaul.

Reinstalled fuel servo and flow divider with new gaskets as required. See attached form 8130 for info. Replaced #2 induction tube O-ring P/N 77569 and gasket P/N 71973 with new.

Run up/ops/leak check is satisfactory at this time.

Clinton Cook

A&P 3574567

 $R \cdot AS$

ROCKY MOUNTAIN AIRCRAFT SERVICES (...)

11750 Airport Way Hanger B-12A Broomfield CO, 80021 Date: 3/6/2018 Acft Reg: N445DS Flight Tach: 770.4

ENGINE

Drained oil and serviced sump with 8 Qts Aeroshell 15W50. Removed old oil filter and cut for inspection, no contaminants found. Installed torqued and safetied new tempest oil filter P/N 48110. Ground run/ops/leak check is satisfactory at this time. This aircraft is approved for return to service for the above accomplished work.—END----

Justin Parrow_

_______A&P3083586



TOTAL THIS PAGE

TOTAL FROM
PREVIOUS SUMMARY

TOTAL
SINCE MFG.

ROCKY MOUNTAIN AIRCRAFT SERVICES (180

11750 Airport Way Hanger B-12A Broomfield CO, 80021 Date: 4/20/2018 Acft Reg: N445DS Flight Tach: 222.3

Engine

VICE AND

, INSPECTIONS,

LINES AS REQUIRED FOR COMPLETE

Domes 1		
Removed and replaced # 4 and # 1 intake pipe gasket Removed and replaced #4 and #1 intake flange gasket #4 exhaust gasket with page #1.		
Kemoved and replaced #4 and #1 intoles 9	with new gasker P/N 77560	:
#4 exhaust gasket with new goolean Pare Hange gaske	t P/N 71973 Removed	
Removed and replaced # 4 and # 1 intake pipe gasket Removed and replaced #4 and #1 intake flange gasket #4 exhaust gasket with new gasket P/N RA77611. Re injectors and flow divider. Sent to Mike's Aircraft Fur Form 8130-3 for more information. Reinstalled Fuel's	moved firel common and replaced	
Form \$130.2 fam.	of Mark servo, all cylinder fuel	
divider and first information. Reinstalled Evel of	of Wetering Service for testing. See	
divider and fuel injectors. Ops/leak/ground run is satis	ervo with new gaskets. Installed fool	
- Ground Iun is satis	sfactory at this time	
		!
A&P 39	118566	
	• • •	
, , , , , , , , , , , , , , , , , , , ,		
— D / A C	D	
$\mathbf{K} \sim \mathbf{A} \mathbf{S}$	Date: 5/8/2018	
ROCKY MOUNTAIN	Acft Reg: N445DS	
AIRCRAFT SERVICES 1	Flight Tach: 828.1	
	ETT: 238.7	
11750 Airport Way Hanger B-12A	ENGINE	
Broomfield CO, 80021	LIGHTE	
		
Performed a 100HR/Annual inspection in accordan	magnific EAD 42 And (D)	
oil and serviced sump with 8 Ots Aeroshell 153456	nce with FAR 43 App (D) and Diamond DA40 checklist. Drained	
found. Installed torqued and safetied new temporar	O. Removed old oil filter and cut for inspection, no contaminants	
		_
10.00 % 1 12 % 2 10 % 3 7 / #4 72 an uver an Par	LOTGUEG Valve covers bondures. Deeleer 1 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	
- metalist moperator per tipulations. In the left	'IN [O]][[] Nevt due of Tooks 030 f []	
		_
condition and is approved for return to service at the	nis timeEND	
Justin C Parrow Quete		
Justin C Parrow Green C		
		
	_	
RAS		
	Date: 6/1/2018	
ROCKY MOUNTAIN	Acft Reg: N445DS	
AIRCRAFT SERVICES LIL	Flight Tach: 878.5	
11750 Airport Way Hanger B-12A	ENGINE	
Broomfield CO, 80021	THE THE	
	·	
		<u></u>
Drained oil and serviced sump with 8 Qts Phillip's XC2 no contaminants found. Installed torqued and safetied recheck is satisfactory at this time. The	NOTICE -	
no contaminants found. Installed formed and and	20W30. Removed old oil filter and cut for increasing	
check is satisfactory at this time. This aircraft is	20W50. Removed old oil filter and cut for inspection, new tempest oil filter P/N 48110. Ground run/ops/leak	
check is satisfactory at this time. This aircraft is approv	ed for return to service for the above accomplished	
	a accomplicated	
_ Justin Parrow_ fusion /	_	k-
		

CARRIED FORWARD

R /	A S		Date: 6/22/2018 Acft Reg: N445DS		14	;]
ROCKY MOU	NTAIN		Flight Tach: 927.5			
AIRCRAFT SE			ETT: 338.1		LICENCE	}
	Way Hanger B-13	2 A	ENGINE		NUMBER	
Broomfield CO	, 80021					-
Performed a 100H	IR inspection in a	cordance with EAD 43 App (D)	and Diamond DA40 checklist. Drained oil			
=- servicea sump wii	ui o Ous Phillips X	C20W30. Kemoved old oil filte	r and out for increasion we are the con-			-
💹 Installed torqued a	and safetied new to	empest oil filter P/N 48110. Rer	noved all spark place, closed accept and accept accept and accept accept and accept	—		-
Kemstanted bings	using (o) new Gas	Kets P/IN Mio / 4 and torqued to 3	7 FT nounds. Compressions as follows #1 7/			_
Outer detects. C/ v	ひ ひひ 13-13-07 じし	iel intection line inspection. The	spected exhaust and intake system for leaks of pected routing and security, no defects found.	1		
IJCY! AR 2NN 1Y3L!	1. 1047.3. C/ W IVI	3D 4U-U33 EXNAUST riser inspect	ion per increpations. No J.C C L	due -		-
. AL LECH. 104/.J.	Otoulia Kall/Obs.	LEAK CHECK All Salistactory at the	e time I and for the att the program is			_
service at this time	2END	in and has been found to be in an	rworthy condition and is approved for return	to I		
	1.+	DAC		Date: 7/24		ı
Justin C Parrow	- your	K AS		Acft Reg: Flight Tac	N443D3	ı
		ROCKY MOUNTAIN		ENGINE		1
 :		AIRCRAFT SERVICES	D 12 A	ERGINE		•
		11750 Airport Way Hanger Broomfield CO, 80021	D-12A		Ž	
		•			1	
· 		Desired oil and serviced sums	with 8 Qts phillips XC 20W50 Removed of	d oil filter and	cut forkinspe	one/les
		no contaminants found. Instal	with 8 Qts phillips XC 20W30 Removed of the diled torqued and safetied new tempest oil filter	r P/N 48110. vice for the abo	oround run.	ished
	····	check is satisfactory at this tin	iled torqued and safetied new tempest on the ne. This aircraft is approved for return to ser	AICC TOT CITO CO.		
	··-	workEND				
		Justin Parrow Justin	100		A&P3083	3380
		Justin I divo.		1	,	
			Date: 08/08/2018		,	
$-\mathbb{R} \times$	A C		Acft Reg: N445DS			
			Flight Tach: 1026.8		_	
ROCKY M			Engine			
	SIRVICES ()	. 124			 -	
	rt Way Hanger E	3-12A		\rightarrow		
Broomfeild (20, 80021					
Performed a	100HR inspectio	on in accordance with FAR 4	3 App(D) and Diamond checklist. Draine	ed oil		
and serviced	sump with 8qts	Phillips X/C 20W-50 oil. Rei	moved oil filter and cut for inspection. N	0		
defects noted	l at this time. Ins	talled torqued and safetied no	ew P/N 48110 oil filter. Compressions as	•		
follows: 1-76	5 2-74 3-74 4-72	all over 80psi. Removed spa	rk plugs and installed (8) new spark plug	s P/N		
UREM38E.	Inspected induct	ion and exhaust for leaks or o	lefects. C/W AD 15-19-07 Fuel injection	1 line		
inspection. It	nspected routing	and security, no defects four	nd. Next Due Tach 1126.8 C/W MSB 40. Next Due Tach 1126.8 Ground run/ops	/leak		_
Exhaust rises	r mspection per i	• I certify that this Engine h	as been inspected in accordance with a 10	00HR -		_
inspection at	nd is approved for	or return to service at this tim	e.			
-End-	pp					_
		<i></i>				_
Clinton Coo	k Um	Floor A	&P 3574567			_
	_	•	I			
	D		There 0/01/0010		 ;	_
	$\mathbf{K} \subseteq \mathbf{A}$	2	Date: 8/21/2018 Acft Reg: N4451			_
	ROCKY MOUNT		Flight Tach: 107			
	AIRCRAFT SERV		ENGINE			•
		y Hanger B-12A				_
Bı	roomfield CO, 80	3021			L	_
	rained oil and serv	iced sumn with 8 Ots philling Y	C 20W50. Removed old oil filter and cut for	inspection		

no contaminants found. Installed torqued and safetied new tempest oil filter P/N 48110. Ground run/ops/leak check is satisfactory at this time. This aircraft is approved for return to service for the above accomplished work.---END----

Luntin Damour

_A&P3083586

	TIME	RUN MIN.	TIME ! OVER! HRS.		INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	A	SP	EN		Aspen Flying Club 13000 E. Control Tower Rd. Englewood, CO 80112
	1	T. A. G. C	*3	•	5DS DA40 SN: 40045 19-2018 Tach: 1080.6 Hobbs: 556.4
10	letects certify	noted at	this time circuit is	Refer to	engine ground runs and operational check as required, with no to DA 40 Aircraft Maintenance Manual for work performed. I sed to be in airworthy condition, and is returned to service for the
	Co	dy Adams	A&P 4055	376	
A CDE		1	l l	ace Flyi	ing Club
			00 E. Courro	Tower Rd.	Englewood, CO 80112
Two c	N445 09-07		Lyco Tach	ning [O-36 : 1081.9	60-M1A SN:L-29856-51A Hobbs: 559.3
lemoved fv	iel boost	pump,	s/N: 413	6. Insta	alled new fuel boost pump, S/N:
808192, P/I 🖈 leak che	N: 5100- ck satisfa	00-9 with	h two ne his time	w o-ring	gs, P/N: MS29512-06. Operational
				<i>.</i> .	
<u>.</u>				/	
iteve Sibiski A	&P 41186	-	Sk	/	
teve Sihiski A	&P 41186	-	Sic	/	
teve Sihiski A	&P 41186	-	Sk		
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teve Sihiski A	&P 41186	-	AR.		
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teve Sihiski A	&P 41186	-	She was a second		
iteve Sihiski A	&P 41186	-	She was a second		
iteve Sihiski A	&P 41186	-	She was a second and a second a		
	CKY MO	A S			Date: 1/4/2019 Acft Reg: N445DS Flight Tach: 1080.6
ROC AIRC 11750 Broon	CKY MO CRAFT S O Airport infield C	A S UN TAIN SERVICUS E Way Ha O, 80021	anger B-1		Acft Reg: N445DS Flight Tach: 1080.6 ENGINE
ROO AIRI 11750 Broon THI Replacions of This a	CKY MO CRAFTS O Airport infield C	A S UN TAIN SERVICUS E Way Ha O, 80021	inger B-1 with new for return	RG24-11	Acft Reg: N445DS Flight Tach: 1080.6

16

TEPAIRS, ADJUSTMENTS, MODIFICATIONS ADJUST THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE NUMBER
Date: 12/12/2018 Tach: 1086.9 Hobbs: 569.8 Reg. N Eng. Model: IO-360-M1A Eng. S/N: L-29856-51A SM	10H: 497.5	-
haust valves; valve/guide clearance checked (OK). Reass called overhauled fuel pump P/N:LW15473, S/N:02YO18. manifold) P/N:2576564-1, S/N:0137824. Overhauled installed. 500-hour inspection completed on R/magneto P/N:149-24LS, S/N:F4L-690404. cunctional and leak tests satisfactory. Aircraft test flown. The spice. Reference W.O.10862. End	Installed overhauled L/magneto P/N 1700/N: 4370, S/N: 1700/N	i flow 1:4347, - 40787
The New Firewall For Loveland, CO 80538		
Date: 01/24/26 AcftReg: N44 Flight Tach: 16 Engine 11/50 Airport Way Hanger B-12A Broomfield CO, 80021 Removed right magneto and installed new overhauled magneto P/N 4370 S/N G-12 attached form 8130 for info. Timed right magneto to engine. Removed right magneto and sent for repair, reinstalled harness. Ground run/ops/leak check is satisfactory at	5DS 091.0	
Clinton Cook A&P 3574567		_ -
Aspen Flying Club 13000 E. Coutrol Tower Rd. Englewood, CO 80112 N445DS O5-17-2019 Hobbs: 624.6 Completed Annual inspection by following FAR 43 Appendix D and CAM Check Cylinder compression test: 1) 78/80, 2) 78/80, 3) 78/80 4) 78/80. Drained engin removed and inspected oil filter. No metal noted. Serviced engine with 8 qts. of Phillips 20W50. Replaced oil filter with new CH48110-1. Cleaned induction air filter, spark and fuel nozzles. C/W AD 2015-19-97 eff. New 3, 2015 by inspection of external fuel in accordance with para. (e) and Lycoming MSB 342G. Next due Tach:2227.1 AD's check throug weekly 2019-10. Operational and leak checks good. I certify that this engine has inspected AWA Annual inspection and was determined to be in airworthy condition. John Saar 368556/1A	List. ic oil ix/C plugs res in	
MAXIMUM HOURS BETWEEN OVERHAULSHOURS.		

_____HOURS.

FNGINE SERVICE AND **Engine Log Entry** ED FOR COMPLETE , Michiana Aircraft Service, Inc EN TI 4323 West Progress Drive South Bend, IN 46628 Phone 574-287-4687 Fax 574-287-7753 REG. N N445DS Diamond DA40 MAKE TET: 3610.6 SMOH:586.9 MODEL Hobbs: 673.8 Complied with oil change. Serviced with 8 quarts of 20W50 and a new CH48110-1 filter. S/N **Maintenance:** DRAINE Cleaned, gapped, and tested spark plugs. Removed engine and engine mount. Welded cracks in engine mount per instructions from **GROUN** manufacturer. Re-installed engine mount and engine. THE A Tightened loose hose clamps on cylinder oil return hoses. This aircraft was repaired in accordance with the manufactures maintenance manual. All systems interrupted have been tested and/ or leak checked as necessary. This aircraft is airworthy and is approved for return to service with respect to the work performed. Steve Purvis C.R.S. Q6MR956Y ENGINE! ENGINE : Signature: REG NO WO#14205 Date: 9-19-19 Engin€ 11/02/19 DATE MIDWEST AVTECH INC. 608.8 N445DS REG. NO. TACH 1.V. REGIONAL AIRPORT DIAMOND MAKE Mainteria 4241 ED URBAN DR. The aircr DA40-180 SMOH MODEL PERU, IL 61354 return to 40.045 S/N REPLACED FORWARD R/H BAFFLE ASSY (P/N D41-7166-11-00_2) DATE: I THE AIRCRAFT OR ENGINE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IAW CURRENT FARS ONLY THE WORK DESCRIBED ABOVE IS APPROVED FOR RETURN TO SERVICE Thoules K Studer A&P 337545845 IA CHARLES M. STUDER _ Log Book Entry SYNERGY 2823 East Empire Street March 30, 2020 FLIGHT Bloomington, Illinois 61704 FAACRS 8SGR199C United States www.synergyfbo.com Telephone: (309)828-4448 Airframe Log Entry (309)828-4458 Fax: info@synergyfbo.com CSN/CSO: N/A / N/A TSN/TSO: 3,669.80 / 646.10 Manufacturer: Lycoming Div Avco Corp Textron Serial Number: L-29856-51A Part/Model number: 10-360-M1A Date: 03/30/2020 Work Order No: R784 Squawk INSPECTED AND SERVICED THIS ENGINE IAW THE DIAMOND DA 40 MAINTENANCE MANUAL, COMPRESSION #1 75/80, 2.1 #2 75/80, #3 75/80, #4 75/80. CHANGED OIL AND FILTER. INSPECTED FILTER. CLEANED SCREEN. INSTALLED A CH48110 FILTER. ADDED PHILLIPS XC 20W50 OIL. INSTALLED A NEW GASKET, P/N 71973 AND O-RING, P/N 77569 ON #3 INTAKE PIPE, C/W A.D. 2015-19-07, 11/03/15, BY INSPECTING THE FUEL INJECTION LINES IAW LYCOMING S.B. MSB 342G, NEXT DUE AT ATT 3780.1. GND RAN. OPS AND LEAK CHECK GOOD, A.D.'S CHECKED THRU 2020-06. I CERTIFY THAT THIS WORK DESCRIBED ABOVE HAS BEEN INSPECTED AND IS DETERMINED TO BE IN AN AIRWORTHY CONDITION WITH RESPECT TO THE WORK PERFORMED AND THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND IS DETERMINED TO BE IN AN AIRWORTHY CONDITION. These items identified above were repaired and/or inspected in accordance with current Federal Aviation Regulations and the repairs are approved for return to service. Pertinent details of these repairs are on file at the repair station under Work Order Number R784. Date: 3/30/1020

TOTAL SINCE MFG.

MAINTENANCE RECORD

ENTRIÉ			TMENTS, MODIFICATIONS SH ANY UNUSED LINES IN DA		LUMNS.	SIGNA	TURE	LIC NUI	ENC 4BE	
			-					+	_	_
G. NO.	N445DS	MI	DWEST AVTECH INC.	DATE	12/18/19	a l				
KE.	LYCOMING	I.V	REGIONAL AIRPORT	TACH	628.			T		
DEL	IO-360-M1A		1241 ED URBAN DR.	π	020.	Ή —		↓		_
<u>v</u>			PERU, IL 61354	<u>змон</u>		-				
AINED (OIL, INSPECTED A	ND REPLACED FI	LTER, SERVICED SYSTEM W		V50 -	┪ ̄		 	_	_
ROUND F	RUN AND LEAK CH	ECK GOOD	E WAS REPAIRED AND INSE			↓ —		 	_	_
	ONLY THE WOR	K DESCRIBED A	BOVE IS APPROVED FOR RE	TURN TO SERVIC	E] —		 		_
	CODY WILLIAMS	Cooly	Williams	A&P 407825	59			†		<u> </u>
		<u> </u>			1				•	_
	L: IO-360-M1A	-1	J.A. Air Center					June, 202		
3. NO: N65L	-29856-61A .Y	•	Repair Station No. NF:	2R029L				TSN: 3720		_
RK ORDER	8852-06-2020		43W730 US RT 30 Sugar Grove, Illinois 60				TS	MOH: 708. ACH: 3720.	1 —	_
gine Ent	ries		Phone: 630,584,3200						_	_
Chan		Opened and inspected thecked.	the filter for contaminants. Services	d the engine with 8 Qt	s. of Phillips 20W	50 X/C and	d a new AA481	10-2	_	_
tenance Re aircraft, end		ent identified was repaire	d and inspected in accordance with curren	nt regulations of the Feder	ral Aviation Adminis	Iration and w	vas found Airwort	hy for		-
n to service	. Partinent details of the re	pair are on file at this rep	pair station CRS NF2R029L and EASA.14	5.5424 under Work Order	No. 8852-06-2020,	Dated 02 J	une, 2020.	·		<u>-</u>
E: 02 Jun	e, 2020	SIGNED: 📈	If May			Owne	र्भुट्ट	Description	R 69.	Ş
		Don Morgan	tion No. NE2Boot	:	1	±ine I	ž į	ξ <u>ζί</u>],	: :	-
		Certified Repair Sta	WITHU HEZPOZAL			ត្ត ភ	-t -c	헕		
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					- 1	쿹_	ie O	9	_ ,	_
			Runlinatan Air	Contor	İ	Owner: Dominic	Report date 07/23/2020	of work:	N6517	40045
		, i	Burlington Air	Center	l	꽃 닭	3/2	노 공네	< ל	ñ
			703 Airport Rd. Burlington, V		- 1		02.9	3 2		
			(262) 763-9500 Fax (262) 7	63-2910	1	Za	.62			
			ALCELV	Took, 2703 A	ļ	sta	20 9	[호		
<u>8/5/2</u>	1020 <u>Hobb</u>	os: 893.4	N65LY	Tach; 3793,4	—— —	tarskis 3131412	est Pig	leted		
Dorda	wed Lophocks: foling	l in-continuity in rec	ord keeping of Aircraft Total Time	vs Tach time and Hob	obs.	31 ₂	<u> </u>	[g		
	ngs as follows:	an sometimely in reci				<u> </u>	80 7	Oil change		
June	2001 Aircraft New, 0.4	0 Tach = 0.0 TTAF			J	~	- a			
5/4/0	9 Tach reset to 0.0 @	2086.5 TTAF, docur	nented in log entry that date.		1.	_	no .	를 릴 📗		
10/29	9/10 Tach = 195.8, TT.	AF = 2282.3, Hobbs :	= 2922.6 per log entry that date.		ļ ·	$ \mathcal{U} $	<u>ā</u> i	, ਔ [
Multi	iple Tach resets and d	ocumentation errors	and discrepancies between 10/29)/10 and 9/6/12.	i	75	ina	₹ <u></u>		
9/6/:	12 Tach = 0.1 @ 3120.	.2 Hobbs = 2479.9 T	AF CTTAE Incorpositive considered on 356	1 A Wobbs = 524 6	ı	I U į		ğ ğ'		
5/17,	/19 Tach = 1127.1, AC ontinuity of times beto	.1 <i>UAL</i> IAF = 3506.9 	(TTAF Incorrectly recorded as 356.	4.4/, NOUUS - 024.0	,	ا ح	5 5	ģ ≲ .	<u> </u>	Ţ
9/10	Archiotry of times bett /19 IPI Installed ക 67	3.8 Hobbs = 3656.1	TTAF, Tach set to 3610.6			7	iss	÷ ed	ð á	TACH:
8/5/	719 171 mstaned @ 07 20 Tach = 3793.4, Hot	obs = 893.4, ACTUAL	TTAF = 3838.9			7	Results are nominal, no issues	Serviced with	SMOH:	Ţ
	or showed	and the state of t	a recomplished and insures of in-	accordance with over	ent regula	۱ (γ. (ጃ ቻႃ		
		indeo above nas dec	n accomplished and inspected in a			1	(5 %		
10.56	rvice.				1011.		!	2 c		
					,		5	ξ; S ts \	760.2	3772
— Iv	coming (O360	т	T: 3819,1			-	1	pleted Oil change. Serviced with 7 quarts of Phillips 20W50 and		2
}- 'y	.oning rosoo		SMOH 807.1	·		j		e s		
, D4	TE 08/18/20	•			1	•		en s		
Co	mpied with AD	# 15-19-07 ins	pected fuel injector lines,	clamps, lour	5.	i		20W50		
an	d nozzles	•	, 0 , 0 0			ļ		50 i		
	Colin Koebel IA	200k0XC #4	(~); \/~;\/\J		1	ļ		ck a		
	Cour Koeper IA	TH 2074075	(1000)		ł	1		중 다		
					i i			o i		

	TIME	RUN		SINCE	INSTALLATIONS, INSPECTIONS,	
DATE	HRS.	MIN.	HRS.	MIN.	NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR	OMPLETE
ROUGHT -		—				Y
	· ·		 	+ · ·		
				Rurl	ington Air Center	
			_	703	Airport Rd. Burlington, WI, 53105 2) 763-9500 Fax (262) 763-2910	
8/19/2020	Hol	bbs: 926.4			N65LY Tach: 3819.8 TTAF: 38	65 3
	his date: cu	t onen ail fi	ilter and in	spected fo	FOD, none found at this time. Took SOAP sample and provided to owner for ana	
see report for checked for le	r details. In	stalled nev	v AA48110	-2 filter a	d filled engine with qts of Phillips 20W50XC oil. Washed down engine, ran up	and ————————————————————————————————————
I certify that the	he work de:	scribed abo	ve has bee	en accomp	shed and inspected in accordance with current regulations and is approved for re	turn
8/2.7/2	020 3	846	Closes	Plan	Reduce 14 INTAINE GASLET STAS428	
			1	1	0/30/333	
Make:	Diamo	nd			Date: 8/30/2020 A/C TSN:	
Model:	DA40				TACH: 3848.8	
S/N:	40045 N65LY				SMOH: 836.8	
					3111011.	
Description spark plug t	of work	Replace	ed all sp ATS2612	ark plu 2 and to	s to Tempest Fine Wire P/N UREM38S XL. Applied rqued to 35 ft/lb. Work authorized by 14 CFR Part	
Description spark plug t	of work	Replace	ed all sp ATS2612	ark plu 2 and to	s to Tempest Fine Wire P/N UREM38S XL. Applied rqued to 35 ft/lb. Work authorized by 14 CFR Part	
Description spark plug t 43.	of work hread lu	: Replace bricant	ATS2612	oark plui 2 and to	s to Tempest Fine Wire P/N UREM38S XL. Applied rqued to 35 ft/lb. Work authorized by 14 CFR Part	
Description spark plug t 43. Owner:	of work thread lu Domin	: Replace bricant /	ATS2612	2 and to	s to Tempest Fine Wire P/N UREM38S XL. Applied rqued to 35 ft/lb. Work authorized by 14 CFR Part	
Description spark plug t 43. Owner:	of work thread lu Domin	: Replace bricant /	ATS2612	2 and to	s to Tempest Fine Wire P/N UREM38S XL. Applied rqued to 35 ft/lb. Work authorized by 14 CFR Part	
Reg: Description spark plug t 43. Owner: Certificate I	of work thread lu Domin	: Replace bricant /	ATS2612	2 and to	s to Tempest Fine Wire P/N UREM38S XL. Applied rqued to 35 ft/lb. Work authorized by 14 CFR Part	
Description spark plug t 43. Owner:	of work thread lu Domin	: Replace bricant /	ATS2612	2 and to	s to Tempest Fine Wire P/N UREM38S XL. Applied rqued to 35 ft/lb. Work authorized by 14 CFR Part	
Description spark plug t 43. Owner:	of work thread lu Domin	: Replace bricant /	ATS2612	2 and to	s to Tempest Fine Wire P/N UREM38S XL. Applied rqued to 35 ft/lb. Work authorized by 14 CFR Part	
Description spark plug t 43. Owner:	of work thread lu Domin	: Replace bricant /	ATS2612	2 and to	s to Tempest Fine Wire P/N UREM38S XL. Applied rqued to 35 ft/lb. Work authorized by 14 CFR Part	
Description spark plug t 43. Owner: Certificate I	of work hread lu Domin Number:	: Replace bricant /	rskis 3131412	2 and to	Ruhm	
Description spark plug t 43. Owner: Certificate t	of work hread lu Domin Number:	: Replace bricant /	rskis 3131412 Dat	2 and to	s to Tempest Fine Wire P/N UREM38S XL. Applied rqued to 35 ft/lb. Work authorized by 14 CFR Part	
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Description spark plug t 43. Owner: Certificate I Make: Dia Model: DAA i/N: 400 Reg: N65	Domin Number:	ic Zasta	rskis 3131412 Dat A/O TAG SM	te: CTSN: CH:	rqued to 35 ft/lb. Work authorized by 14 CFR Part Culture /3/2020 3862 850	
Description spark plug t 43. Owner: Certificate I Make: Dia Model: DA4 5/N: 400 Reg: N65	Domin Number:	ic Zasta	rskis 3131412 Dat A/O TAK SM nge. Service	te: CTSN: CH:	rqued to 35 ft/lb. Work authorized by 14 CFR Part /3/2020 3862 850 arts of Phillips 20W50 and	
Description spark plug t 43. Owner: Certificate I Make: Diai Model: DA4 5/N: 400 Reg: N65	Domin Number:	ic Zasta	rskis 3131412 Dat A/O TAK SM nge. Service	te: CTSN: CH:	rqued to 35 ft/lb. Work authorized by 14 CFR Part Culture /3/2020 3862 850	
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Description spark plug t 43. Owner: Certificate I Make: Dia Model: DA- 5/N: 400 Reg: N6: Description of we Camguar, Inspec	Domin Number:	ic Zasta ic Zasta 3 ted Oil characed oil filtr	rskis 3131412 Dat A/O TAK SM nge. Service	te: CTSN: CH:	rqued to 35 ft/lb. Work authorized by 14 CFR Part /3/2020 3862 850 arts of Phillips 20W50 and	
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	ning IO-360-M1A E			Tal 543416836	-	
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