	thority/Country:				3. Form Tracking Number:
FA	A/United States	AUTHORIZED RE FAA Form 8130–3, AIR			Invoice # 12425
4. Organi	zation Name and Address:	THE POPUL OF STARK	WORTHINESS A	TROVAL IAG	5. Work Order/Contract/Invoice
Signat	ture Engines, Inc., 4760 Airport R	oad, Cincinnati, Ohio 45226 Certifica	te No. E5ZR316Y		Number: E9011-OH
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	Lycoming Engine	O-360-A4M	1	RL-41345-36E	Overhauled
ARTS AN	CE FOR WORK PERFORMED. ID ACCESSORIES REPLACED:	Engine T.S.M.O. 0 He	ours		
2 Overhau 1 Overhau 1 New Fue 1 New Set	t of Spark Plugs	Engine T.T.S.N. 2,14	0.4 Hours		
2 Overhau 1 Overhau 1 New Fue 1 New Set I New Hai 3a. Certi	uled Magnetos uled Carburetor el Pump t of Spark Plugs	manufactured in conformity to:	14a. X 14 C Certifie describe	ed in Block 12 was accomplished in ions, Part 43 and in respect to that	Block 12, the work identified in phone is at accordance with Title 14, Code of Federal work, the items are approved
2 Overhau 1 Overhau 1 New Fue 1 New Set 1 New Hai	uled Magnetos uled Carburetor el Pump t of Spark Plugs irness fies the items identified above were	manufactured in conformity to:	14a. X 14 C Certifie describe Regulat service.	s that unless otherwise specified in ed in Block 12 was accomplished in ions, Part 43 and in respect to that ized Signature:	Block 12, the work identified in process of an accordance with Title 14. Code of Federal
2 Overhau 1 Overhau 1 New Fue 1 New Set 1 New Had 1 New	uled Magnetos uled Carburetor el Pump t of Spark Plugs irness files the items identified above were Approved design data and are in a Non-approved design data specifie	emanufactured in conformity to: condition for safe operation. ed in Block 12.	14a. X 14 C Certifie describe Regulat service.	s that unless otherwise specified in ed in Block 12 was accomplished in ions, Part 43 and in respect to that	Block 12, the work identified in page 1, are accordance with Title 14, Code of Federal work, the items are approved 14c. Approval/Certificate No.:
2 Overhau 1 Overhau 1 New Fue 1 New Set 1 New Had 1 New	uled Magnetos uled Carburetor el Pump t of Spark Plugs irness files the items identified above were Approved design data and are in a Non-approved design data specific	manufactured in conformity to: secondition for safe operation. ed in Block 12. 13c. Approval/Authorization N	14a. X 14 C Certifie describe Regulat service. 14b. Juthor	s that unless otherwise specified in ed in Block 12 was accomplished in ions, Part 43 and in respect to that ized Signature:	Block 12, the work identified in page 1, are accordance with Title 14, Code of Federal work, the items are approved 14c. Approval/Certificate No.:
2 Overhau 1 Overhau 1 New Fue 1 New Set 1 New Han 13a. Certi	uled Magnetos uled Carburetor el Pump t of Spark Plugs irness files the items identified above were Approved design data and are in a Non-approved design data specific	manufactured in conformity to: condition for safe operation. d in Block 12. 13c. Approval/Authorization [13c. Date (dd/mmm/yyyy);	14a. X 14 C Certifie describe Regulat service. 14b. Juthor	s that unless otherwise specified in ed in Block 12 was accomplished in ions, Part 43 and in respect to that ized Signature: Typed or Printed): Kleeman, Inspector	Block 12, the work identified in phone is at accordance with Title 14, Code of Federal work, the items are approved 14c. Approval/Certificate No.: E5ZR3. 14e. Date (dd/mmm/yyyy):

Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown,

_	TOTAL TIME IN SERVICE O'	TOTAL TIME SINCE VERHAUL	TACH OR RECORDING METER TIME	SIGNA	DESCR TURE & CERT	IPTION OF V IFICATE NO.	OF PERS	RFORMED — SON PERFORMIN
				TOTALS be	ought forward	from previou	us page	
	1. Approving Civ	vil Aviation	2.					3. Form Tracking Number:
-	- Authority/	Country:		IODIZED E	ELEASE C	ERTIFICA	TE	Invoice # 12425
			AUII	FAA Form 8130-3, A	IRWORTHINESS APP	ROVAL TAG		5. Work Order/Contract/Invoic
	1000 0000	Name and Address: gines, Inc., 4760 Air	port Road. Cincinn	ati. Ohio 45226 Cert	ficate No. ESZR316Y		,	Number: E9011-OH
_		rscription:		rt Number:	9. Quantity:	10. Serial Number:	1	1. Status/Work:
	1	Lycoming Engi	ine	O-360-A4M	1	RL-41345-3	36E	Overhauled
	MANUFACTURE! RETURN TO SER. TO SERVICE FOR PARTS AND ACCE 4 New Cylinder A 1 Overhauled Ma 1 Overhauled Ca 1 New Set of Spa 1 New Harness 138 Certifies the Norse 138 Cert	N'S SERVICE BULLET! VICE ENGINE TEST R WORK PERFORMED ESSORIES REPLACED assemblies agnetos rburetor p rk Plugs Intras Idealified above cod declays data and a representative. I per Erforment I per Erforment I per Erforment I per Erforment I performent work at the user/installer en	INS COMPLED WIT RUN PER FAA APPR S Wary ministrates The second of the second of the second Listence of this docus Lin accordance with sures that his/her all t constitute installati	HARE A PART OF THESE OVED DATA (SEIP-103) AN Engine T.S.M.O. (Engine T.T.S.N. 2 If is conformity to: and operation. 3. Approval Authorization the national regulations of a reworthiness authority acception certification. In all cases	Hours 14a. 214 CFR 4 Certifies the described in Regulations, service. 14d. Name (Type Douglas P Kle aller Responsibilities the aller Responsibilities authority of ta aircraft engine(s)/propell	3.9 Return to Service tuniess otherwise specifi Block 12 was accomplish Part 43 and in respect to Signiture of or Printed): erman, Inspector of install the aircraft engit ifferent than the airwort er(s)/article(s) from the a	Other re ed in Block 12, the ed in accordance w that work, the let 14e 14e 14e 14e 16e 16e 17e 17e 17e 17e 17e 18e 18e 18	igulation specified in Block 12 work identified in Block 11 and with Title 14. Code of Federal min are approved for return to c. Approval/Certificate No.: 5ZR316Y Date (dd/mmm/yyyy): 26/Oct/2023
-	N80495 ETT		ach4927			2/19/2024		
- 1	1 0110	med AN	NUAL INS	SPECTION PE	er the scope	& detail o	f FAR 43	app. "D".
- -	#1	#2	NUAL INS	#3	#4	& detail o	of FAR 43	app. "D".
- [#1 78/80	#2 78/80		#3 78/80	#4 78/80			
	#1 78/80 Reinstalled et Serviced en Replaced La Replaced al	#2 78/80 engine or gine with ord Moun II Fuel, oil asors per Str.) w Alt belt ff Pre Hederhauled (erhauled derhauled)	verhaule Mineral ts carrying iTC SA025 at system Magneto Carburet Alternato	#3 78/80 d by Signate Oil Type M hoses by AE 594SE Installe n on engine os	#4 78/80 ure Engines	under WO	E9011-C	

Chesterfield MO 63005

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Max. Oil

Temperature:

230

dard Run Log

26.1646

			_		atora Nun	LUG	
Work C	Order#	91 (7		1,5~	Shermon	
Make	Lycoming	g		/de		Serial # PL	-41345-36E
Technician:			_	Run Date.	0/25/202	3 (C/O) TD	I Exchange
-		art ted		ited Fuel System:	Operha	juled / As Supplied /	Test Unit
est Lim	nit Fer Lyc	ing Ove	aul N	lanual Test Procedu	res Table 9-1:		
Fuel Pre	ssure (ps,	2-5		Test Run Max. Oil Consumption (lbs):	0.76	Rated Power Engine (RPM):	2,700
Normal O	Oil Pressure (psi)	75 - 85		Idle Oil Pressure	25	Max. Cylinder Head Temperature (CHT):	500

R25 L25

Magneto to Engine

Timing

Period	Minutes	Engine RPM & Steps	Cyl #1	Cyl #2	Cyl #3	Cyl #4	
1	5	1200 ±100RPM (Extend run time until oil temp. is ~140°)	25	215	234	241	解除 李 斯克尔
**Stop e	ngine & we	eigh oil 13,80 lbs.					AND CONTRACTOR OF THE POST OF
2	10	1200 ±25RPM	216	209	217	224	
3	10	1600 ±25RPM	765	Z58	272	281	
4	10	2200 ±25RPM1	339	326	737	356	Wester was
5	5	2400 ±25 RPM	369	345	368	384	GEORGE
6		Magneto check ² R: 82 L: 90					7 F. 20 Land
7	10	2400 ±25 RPM Check fuel & oil pressures. Check temperatures.	366	348	366	371	
8	5	600 IdleRPM Perform a visual leak check of running engine	237	221	729	238	
9	15	2700 Max. Continuous Rated Power	379	366	398	403	
10	5	600 IdleRPM Cooling period until <300°Max.CHT at shut down. ³	267	250	768	271	
*Stop en	gine; weigl	h drained oil & perform oil consumption determina	ation; per	form a vis	sual leak	check ^{4,5}	13.23
emove a	s inspect s	strainer screens or slave oil filters for contamination. Install new oil filter as required.	ation. Cl	ean & rei	nstall str	ainer	1101
		The state of the s				- 1	1-1-

Tach Drive Check:	JTCFS	Prop. Gov. Pad:	MM	Oil Consumption In Limits?:	YES /	N
Idle Oil Pressure:	47	Max Continuous Rated Power Oil Pressure:	80	Oil Pressure In Limits?:	YES	N.

1. Do not run the engine above 1800 RPM until oil temperature has reached 150°F (71°C) and cylinder head temperatures have reached 200°F

(93°C).

2. Make one check on performance of each magneto channel alone at RPM specified in the engine's OHM. Clear the spark plugs by operating with both magnetos on for a few seconds between checks.

3. Do not shut engine down until oil temperature is below 200°F (93°C) and cylinder temperatures are below 300°F.

Preservation fogging oil is to be sprayed into each cylinder per product manufacturer's directions.

Magneto Check

RPM:

1800

5. Oil consumption at or below the stated limits in the engines current Overhaul Manual specifications is considered acceptable for this test. One repeat of this test run is acceptable. If oil consumption is in excess of the engine's Overhaul Manual limits after the second run, return the engine to the overhaul shop for a complete inspection.

Test run completed and engine operated within allowable limits:

Total run time: 75 minutes minimum

Revision Number:

Revision Date: 07/31/2018

SEIF-100 Page 1

Lycoming Engine Standard Run Log



SEIF-100

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Lycoming Engine Standard Run Log

	Lycoming Engine Standard Run 209									
Work	Order #	E9011-0H	Custom		basov		herm		ula!:	1 2
Make	Lycomi	ng	Mod	Model O-360-A4M			Serial #	PL	-4134	5-36E
Tecl	hnician:	Tracy	Run Dat	e: 10	126/20	73	(0)	TD	I Exc	hange
En	gine is:	Carbureted / Fuel Inje	ected Fuel Syster			erhauled	/ As Sup	plied /	Test Unit	t
	_	coming Overhaul N			able 9-1:					
	essure (psi)		Test Run Max. Oil	0.76		Ra	ted Power E	ngine RPM):	2,700	
	Oil Pressure		Consumption (lbs):				ax. Cylinder	Head	500	
Ma	(psi) gneto Check	-	(psi)			Te	mperature (Ma	ax. Oil	230	
ivid	RPM		Magneto to Engine Timing		L25		Temper	ature:	200	
		1			T					
Period	Minutes	Engir	ne RPM & Steps		Cyl #1	_	_		#4 0	
1	5	,	Extend run time until oil tem	p. is ~140°	025	219	234	24		
	ngine & w	reigh oil <u>パルタ</u> ご	b_lbs.				1		1 版本的	then exercise twins
2	10	1200 ±25RPM			216	709	217	22		
3	10	1600 ±25RPM			765	758	212	28	4	
4	10	2200 ±25RPM ¹			339	326	337	35€		
5	5	2400 ±25 RPM			369	345	368	38	9	
6		Magneto check ²	R: 82 L: 0	70						
7	10	2400 ±25 RPM Check fuel & oil pressures	s. Check temperatures.		366	348	366	37		
8	5	600 IdleRPM Perform a visual leak ci			237	221	229	23	3	
9	15	2700 Max. Continuo			379	366	398	403	?	
10	5	600 IdleRPM			+	75.8			100000000000000000000000000000000000000	
			00°Max.CHT at shut dow		267	250	768	77		
		h drained oil & perfo							4.5 13, 2	3_lbs.
		strainer screens or a line oil filter		ontamir	nation. Cl	ean & re	einstall str	ainer	12	PJ
reservati	ion foggin	g oil is to be spraye	d into each cylinde	r per pr	o∂uct mar	nufacture	er's direct	ions.	1	cf
		run time: 75 minu								1-
2000	200 19-20 20							S.1. T		
Та	ch Drive Check:	JTCFS	Prop. Gov. Pad:	\wedge	M	Cons) sumption Limits		YES /	NO
	Idle Oil	47	Max Continuous Rated	87	<u></u>	Oil	Pressure	In /	VES	NO

Power Oil Pressure: Pressure: Limits? 1. Do not run the engine above 1800 RPM until oil temperature has reached 150°F (71°C) and cylinder head temperatures have reached 200°F

2. Make one check on performance of each magneto channel alone at RPM specified in the engine's OHM. Clear the spark plugs by operating with both magnetos on for a few seconds between checks.

3. Do not shut engine down until oil temperature is below 200°F (93°C) and cylinder temperatures are below 300°F.

4. Fuel and oil leaks are not acceptable.

5. Oil consumption at or below the stated limits in the engines current Overhaul Manual specifications is considered acceptable for this test. One repeat of this test run is acceptable. If oil consumption is in excess of the engine's Overhaul Manual limits after the second run, return the engine to the overhaul shop for a complete inspection.

Test run completed and engine operated within allowable limits:

Lycoming Engine Standard Run Log

Revision Number: IR

Revision Date: 07/31/2018







SEF-007

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Engine Overhaul / TDI Parts Record

١	Nork Order#	E9011-OH	Customer Name	Joson She	men	
M	ake Lyco	mina	Model 0-360-	14M 1		45-34E
	Rated HP	1601180	Rated RPM: 2 4	2012812	TC#: 2	86
(Cylinder Type:	Superior St	rel	0/200	Date Completed: 10	1011/23
(Case Match #:	BB0754				104125
		se: 7th Stud() Hum	p() Light()	ycoming Case:	Wide Deck() Narrow D	leck(++ Heavy()
		acklash: Y(U) N()		Y(V) N()	Prop Dowel Bushings (1
		rust Face & Slinger Cl			e Gear Backlash (Geared):	-yc): Y(+) N()
Qty.		art#	Description		Lot or Serial #	Costing
		A	DAPTER BEARING			
		A	LTERNATOR GEAR LOCK PLA	ATES		·; ··
4	51.1671	1 A M 003 B	EARING		1138565	
2	561308		EARING	270 229	000018274	
	20138		EARING SET	220361	00018214	
		В	LADE BUSHING			111
		В	ADE BUSHING			, , , , , , , , , , , , , , , , , , , ,
		В	OLT- THRU- SHOULDERED		. */	-1
		В	OLT- THRU- SHOULDERED			
		B	OLT- THRU- SHOULDERED	,		
		B	OLT- THRU- SHOULDERED			
	Reuse	, C	AMSHAFT		S/N:	
	0007	\ \ C	AMSHAFT BOLTS			
		C	AMSHAFT GEAR			
		C	ONNECTING ROD PINS		11 A	
		C	DUNTER WEIGHT			
		C	DUNTER WEIGHT			
		C	DUNTER WEIGHT BUSHING			
	20 1000	Co	DUNTER WEIGHT BUSHING			
		C	DUNTER WEIGHT BUSHING			
		C	DUNTER WEIGHT PINS			
		C	DUNTER WEIGHT PINS			
		Co	DUNTER WEIGHT PINS			
		CC	DUNTER WEIGHT PLATES			
		CC	DUNTER WEIGHT SNAP RING	S		
		CF	RANKCASE PLUGS			
		CF	RANKSHAFT		S/N	
		CF	RANKSHAFT GEAR			
7	SL-STO.	22/7 CF	RANKSHAFT GEAR BOLT		109,328	
_			ANKSHAFT OIL SEAL			
,	547543		SKET SET Buil	+		
- 	1-13 17		AR	·		
			e back (next page) of this form.	Signatures are re-	guired on the second page	



SEF-007

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Engine Overhaul / TDI Parts Record

\	Nork Order # Eqou-on	Customer Name Joson She	
Ma	ake Lycoming	Model 0-360-44M	Serial # RL - 4/345 - 34 E
	Rated HP: 16 0/140	Detect DDM: a see	TC# 286
(7 II A T	6teel	Date Completed: 10/24/23
(Case Match #: 880 754	0(20)	10/04/23
	Continental Case: 7th Stud() H	ump() Light() Lycoming Case:	Wide Deck(x) Narrow Deck(x) Heavy()
	Mag. Drive Gear Backlash: Y(V) N() Camshaft Gear Backlash: Y(V) N()	Prop Dowel Bushings (Lyc): Y(+) N()
Cra	ankshaft End Thrust Face & Slinger	Clearance: Prop. Drive	Gear Backlash (Geared):
Qty.	Part #	Description	Lot or Serial # Costing
		ADAPTER BEARING	
		ALTERNATOR GEAR LOCK PLATES	
4	5616711 AM003	BEARING	1138565
A	SL13884AM003	BEARING 230329	000018274
		4	
	· 8	BLADE BUSHING	
		BLADE BUSHING	
		BOLT- THRU- SHOULDERED	
		BOLT- THRU- SHOULDERED	
	,		
	Reuse	CAMSHAFT	S/N:
	1 8 1	CAMSHAFT BOLTS	
	न्द्र ^{ा त}	CAMSHAFT GEAR	
	* : '	CONNECTING ROD PINS	ar ar
		COUNTER WEIGHT	
		COUNTER WEIGHT	
		COUNTER WEIGHT BUSHING	
		COUNTER WEIGHT BUSHING	
		COUNTER WEIGHT BUSHING	
		COUNTER WEIGHT PINS	
		COUNTER WEIGHT PINS	
		COUNTER WEIGHT PINS	
		COUNTER WEIGHT PLATES	
		COUNTER WEIGHT SNAP RINGS	
		CRANKCASE PLUGS	
		CRANKSHAFT	S/N:
		CRANKSHAFT GEAR	
	74.310.24.2	CRANKSHAFT GEAR BOLT	109,328
		CRANKSHAFT OIL SEAL	
1	5675439-1	GASKET SET Built	
		GEAR	
	i nis list is continued on	the back (next page) of this form. Signatures are requ	ured on the second page.



SEF-005L

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Lycoming Cylinder Pocord (Page 1 of 2)

		L	ycom	ing Cyl	inde	er Record	d (Page 1 of	2)	
Worl	k Order #	E9011-0H	1	Custo	mer ame	Jason	Sherma	n	
Mak	Lycom	ing		Me	odel	0-360	-A4M S	erial # RL-41	345-36E
CYL	INDER MA	KE & TYPE: 54	Perio	c 5	eel				
	366 v 0000 Cylinder #1 Cyl		Cyli	nder #2	C	ylinder #3	Cylinder #4	Cylinder #5	Cylinder #6
Су	Cylinder Serial # 14259 143		142	61	11	+262	14263		
	Piston Part #	5615089A	SL7	50894	SLI	75059A	5L75084A		
	Piston Pin Diameter								
Clea	Pin to Piston arance Range								
	to	4							
Pisto	on to Cylinder Clearance		0.0	0	0.0	010	0.00		
	Ring Gap Clearance								
	Top Groove	0.050	0.05	0.050		60	0.050	-	
	Third Groove	0,050	0.050		0.050		0.050	-	
	Trilla Groove	0.025	0.025		0.025		0.025		
	Choke	0,010	0.01	0.010 0.010		0.010			
	Ring Side Clearance								
	Top Groove	,							
	cond Groove								
	Tima Gloove								
QTY		Part Number			escrip	otion	6	Remarks	
4	5L360	1-5c	-	RING S	et		230929	-0000 2046	.2
		5		RING					
				RING					
4	SL7508	9A		PISTON				-00001871	6
4	SL 1344	4-1		PISTON ROCKER		AFT	230609-	000019396	
				LYCOMI					

TECHNICIAN: Evan 140015 DATE: 10/19/23



SEF-007

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Qty.	Vork Order # E 901(01	Customer Name Jason S	herman Lot or Serial # Costing
1	SL 72970	GEAR ,	221215-000017124
4	569603		0000 20 464
8		LIFTERS	229657
0	LAT 23381	LIFTERS	K 2 1 1 5 1
		MAG CUSHION	
4	51.5+0	OIL DRAIN HOSES	
	56-510-1821	OIL PUMP KIT	
-		THE PROPERTY OF THE PROPERTY O	On Cylinder Record
_		PISTON RINGS	On Cylinder Record
•		PISTONS	
8	5L74437		230420-0000 19438
11-	0) 1070 - 1	ROCKER ARM BUSHING	22-011 02
4	SL 13790A	ROCKER ARM SHAFT	230914-000020354
0	2	ROCKER ARM SHAFT WASHERS	
8	SL13521A		000016382
8	SL 75001		230707-0000/9671
4	SL13923		230714 - 0000 19776
8	SL 12186		230427-000019424
		SLUDGE TUBE (Lyc.)	
(5153 B19600	VERNATHERM	S/N: 64864
1	AEL 61544	24.000	16
+	CLOCCI	Plunger	AG
7	4760 GO	Spring 24.060 A.SV	10/19/23
<i>d</i>	61084 \$178290 \$Park UREM38E	Spring Plunger ASSY Spark Plug	1147090
4	Spark UKEMISOF	Spark ring	14JL

Date: 10/24/23 Inspector Juft // Date: 10/24/23



SEF-005L

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Lycoming Cylinder Record (Page 2 of 2)

Work Order #	9311-04 Customer Jason Sherman		
Document ID	Method of Compliance	Complied With	Not Applicable
MSB 634	Remove affected Parallel Valve Cylinder & Head from service per MSB.		EL
AD 2009-26-12	*Remove affected ECI Cylinders from service per AD.		EL.
AD 2007-04-19 R1	Remove affected SAP Cylinders from service. SAP MSB 06-01E	1	EL
AD 2006-12-07	Remove affected ECI Cylinders from service. ECI MSB 05-08R2		EL
AD 97-15-11	Remove affected Piston Pins from service. LYC MSB 527C		R
AD 97-01-04	Remove affected SAP Cylinders from service. SAP MSB 96-02B		EL
AD 92-12-05	Remove affected Piston Pins from service. LYC MSB 501B	5	EL
SI 1425A (1988)	Suggested Maintenance to Reduce Valve Sticking. LYC SI 1425A		EL
AD 84-19-03R1	Remove affected AVCO Cylinder Assemblies from service per AD.	s 8	EL
AD 80-14-07	Remove affected Exhaust Valve Spring Seats from service. LYC MSB 447B		瓧
AD 73-23-01	Prevent Piston Pin failures by complying with SB 367F (SB 36F-1)		EL
AD 63-23-02	Replace affected Exhaust Valve Stems. LYC MSB 293B		EL
MSB 642A	Verify Piston Pin & Hing Combination on O-235-C, E & H Engines per MSB.		EL
0 + 5 "			
w.	\$ 1 1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0	
44.5			
<u> </u>			



4760 Airport Road Cincinnati, Ohio 45226 (513) 871-9966 fax (513) 871-9261 www.SignatureEnginesInc.com Repair Station # E5ZR316Y

Lycoming Connecting Rod Maintenance Release

Connecting Ro	d No	11750		Bolt No	75061 /	75060
Bushing No	•	13923		Nut No	12186	
Rod No.	1	2	3	4	5	6 /
Rod Width At Crank	1.330	1.330	1.330	1.330	1.330	1.330
Crank End I.D.	STD 2.287					
Twist Check	+/007	+/007	+/007	+/007	+/007	V007
Bend Check	+/005	+/005	t/005/	+/005	+/005	+/003
Rods Weighted						
Piston Pin To Rod Bushing Clearance	. 0019	.0014	. 8018	,0018		

Service Bulletins, Service Instructions, Service Letters & ADs Complied With

Number	The most describe, our vice Letters & ADS complied	
Hambel	Method of Compliance	Initials
	REMOVE FROM SERVICE ECI CONNECTING RODS P/N AEL11750 PER AD	NIA
AD 2006-10-21	(O-, IO-, HO-, HIO-, AEIO-360; O- & TIO-540) Remove from service #054 & LOWER.	JAS
AD 95-07-01	REPLACE SAP CONNECTING ROD BOLTS PER AD & SAP SB 95-002	JAS
AD 73-05-01	CONNECTING ROD ASSEMBLIES PER LYC SB 371A (Model VO-, IVO-, TVO-, TIVO-540 Series)	MA
AD 66-06-03	REPLACE CONNECTING ROD P/N 74503 WITH P/N 74308 PER AD & LYC SB 302 OR LATER(IO-360-A1A)	1/2
MSB 632B	CONNECTING ROD, WITH NON-CONFORMING SMALL END BUSHINGS, IDENTIFICATION	TAS
MSB 630A	CONNECTING ROD, BUSHING INSPECTION AFTER CYLINDER REMOVAL	545
MSB 439A	CONNECTING ROD, INSPECTION FOR FRETTING &/OR GALLING	SAS
SI 1485G	BOLTS, CONNECTING ROD INSTALLATION & IDENTIFICATION	TAS

The Following Parts Have Been Replaced

Qty	Part No.	Part Description	Remarks
4	5L 13923	BUSHING	MAGNAFLUXED REBUSHED LINE-BORED BALANCED & CHECKED ALIGNMENT
8	SL 75061	BOLT	230707-000019471
8	SL 12186	NUT	250427-000018424

Technician:_	both	Ant	JUS	JOSH	Smith	Date: <u>10-9-23</u>
	0 -					10 17

Updated: 02/23/2023



4760 Airport Road Cincinnati, Ohio 45226 (513) 871-9966 fax (513) 871-9261 www.SignatureEnginesInc.com Repair Station # E5ZR316Y

Maintenance Compliance Record

Make	YCOMING Mo	odel
Work Order #	Ins	spector Date 10/8/
Number MSB 238		Method of compliance Initials
MSB 240W	INSPECTED HYDRAULIC TAPPE	PET PLUNGER PER SB
MSB 273A	MANDATORY PARTS REPLACE	EMENT AT OVERHAUL PER SB
MSB 273A MSB 400	BODY FIT THRU-STUDS PER SE	B
	INSTALLED TEFLON THRUST B	BUTTON PER SB
MSB 533C	PROP STRIKE INSPECTION	NIO JOL
MSB 549	CRANKSHAFT INSPECTED FOR	R S/N PER SB
MSB 639		PN#LW-15014 (xxx-360-E1A6D only; SERIES "76")
SB 369R	INSPECTION AFTER OVERBOOK	OT / Olympopers in a second
SB 619	HARDNESS CHECK FOR ROCKE	SER ARM P/N LW 15014
SI 1011N	CURRENT TAPPET BODIES AND	D PLUNGER PER SI
SI 1012J	CORRECT LOCATOR FOR COUN	INTERWEIGHTS AND ROLLERS
SI 1029L	FOLLOWED TIGHTENING PROC	CEDURES PER SI
SI 1059E	PRE-LUBRICATED PARTS PER S	SI
SI 1076	CHECKED PITCH ALIGNMENT P	
SI 1123D	MODIFIED CASE FOR DOWELS	N/111 W
SI 1125D	USED PROPER SEALANTS AND	AND O-RINGS PER SI D PROCEDURES PER SI
SI 1142B	REPLACEMENT OF CRANKSHAP	
SI 1164B	SUPPLIED PROPER OIL PUMP H	
SI 1225D	INSTALLED STRAIGHT CRANKC	
SI 1228A	MODIFIED HOLD DOWN PLATES	И В В
SI 1230B	INSTALLED PROPER OIL PUMP	OT LIVE
SI 1284A	SHROUD TUBE RETAINING SPR	
SI 1290F PARTII	MODIFIED CRANKCASE FOR O-F	RING REPLACEMENT PER SI -RINGS PER SI
SI 1299B	MAGNETO DRIVE GEAR AND CU	ISHION MODIFICATION DED CI
SI 1307B	CONNECTING ROD BOLTS TORG	USHION MODIFICATION PER SI
SI 1310A	LOCK WIRE FOR IDLER SHAFTS	DED OF
SI 1324C	INSTALLED CRANKSHAFT SEAL	DED OF
SI 1341	MODIFIED REAR CASE FOR OIL	EEED DED CI
SI 1343C	SET SCREW FOR PROP GOV ID	DLER SHAFT PER SI AD 2015-02-07
SI 1424A	INSTALLED TAPPET AND PLUNG	OFF PER CI
SI 1442A	IMPROVED OIL FILTER BYPASS	VALVE DED SI
SI.1454A-1	ROCKER ARMS SUPPLIED PER S	SI NAME PER SI
SI 1458G	CHECKED ROD BOLTS FOR SOF	
SI 1469	HIGH TENSILE STRENGTH BOLTS	TS DED Lycoming SI
SL L03-05C	SL PREFIX CONNECTING ROD BO	BOLTS & NUTS PR Superior SL
SI 1508C	DUAL MAG ATTACHMENT	
I 1511A -	REMOVAL OF THE URETHABONE	DAT OVERHALI
1 1535	COUNTERWEIGHT AND POLLER	NI OPECTION OF THE STATE OF THE
ta .		10/02
D 2017-16-11 •	CONNECTING ROD BUSHING M.S	5.B 632B
D 2015-19-07	FUEL LINE AND SUPPORT CLAMF	PS INSTALLED PER MSB 342G
D 2012-19-01	CRANKSHAFT RETIREMENT FOR	R LYCOMING ENGINES PER MSB 569A-1
D 2006-06-16 •	CRANKSHAFT REPLACEMENT PE	ER A.D.
D 2005-19-11 •	CRANKSHAFT REPLACEMENT, 30	00 bn OR LOWER DED MSD 566 4
D 2004-10-14 ·	PROP STRIKE INSPECTION OF CH	RANK GEAR DED MCD 4750
D 2002-12-07	OIL CONVERTER PLATE GASKET	ACCORDING TO MOD STORIES
0 98-17-11	CRANKSHAFT NOT REPAIRED BY	
98-02-08	INSPECTED CRANKSHAFT LD. FO	OR CORROSION PER MSB 505B/530B-1
96-09-10	SUPPLIED PROPER OIL PUMP GE	EADC I MADADON MADA O DED AND DED
90-04-06R1	GOVERNOR OIL LINE INSTALLED	
87-10-06R1 •	INSPECTION AND REWORK OF BO	OCKED ADMINAGED DED MAD
84-13-05	INSPECTION AEROBATIC CRANKS	SHAET MS B 4660
79-10-03R2	76 SERIES MOUNT LEG BOLT TOP	POLIE SI 1390
75-08-09	INSPECT REPLACE & ASSEMBLE	RQUE SI 1380
71-11-02	REDIACE INTAKE & EVUALIST INT	DRIVE SHAFT & IMPELLER PER SR524.4
71-05-02	CRANKCASE MAIN DEADING INCOME	D. TAPPET PLUNGER ASS. P/N 76290 SB 328
	CHANNUAGE MAIN BEARING INSP	P. & MODIFY PER SB327C; SI1123D & 1112E
File Name; O+IO+HIO-	60 Lycoming MCR.doc	& MODIFY PER SB327C; SI1123D & 1112E



SEF-008

Phone: (513) 871-9966 Fax: (513) 871-9261 www.SignatureEnginesInc.com

Lycoming Engine Assembly Inspection

Work Order # E 90 11 DH Customer Name Jago Sho	u .	
Work Order # F9011 DH Customer Name Jajon Sho Make Lycoming Model 0 360 B4 N Sel	rman	3,1,5-3/5
Technician's Name [Out How	HL- 41.	345-36E
Task	Technician's Initials	In-Process
Crankshaft Bearing Dowels Installed		Inspector's Initials
Crankshaft Bearings Installed For: Std. (003 .006 .010	Mose	ninon
Front Thrust Clearance Checked	3	DN
Clear Oil Passages And Install Plugs In Crankcase	gi-	N. //
Crankshaft Inner Plug, Front Crankshaft Plug Installed	p	011
Prop Dowel Bushings Checked	NAG	
Crankshaft Pin Sludge Tube Installed		1111 011
Counterweight Pins, Plate, Snap Ring And Bushings Installed	NAS	nuor
Connecting Bod Botto N. A. T. 10 D.	Nga	VIII
Crankshaft Gear Attaching Bolt Torqued & Safetied	1	00
Camshaft Followers Installed		DK
Camshaft Installed	B	AC
Thru-Stud Dowels Installed	B	DK
Thru-Stud O-Ring Seals Installed	Mas	
Lifter Plunger And Cups Installed	A.	DC
Governor Drive Gear Woodruff Key Or Set Screw Installed	EL	
	NAS	MARK
Piston Cooling Nozzles Installed And Torqued Cylinder Base Studs Wired Brushed And Oiled After Cylinder Installed	Nos	MUNUL
Cylinder Base Nuts Wired Brushed Inside And Oiled	DIC	
Cylinder Hold Down Plates, Modified Per SI 1228A		11/10 A K
Cylinder Base Oil Seals Installed	MAGE	N/ADK
Cylinder Base Nuts Torqued Per Specifications	EL	yd
Push Rod Shroud Tube Seals And Retainer Installed	Ela	
Idler Shaft Lubrication, Oil Pump Per SI 1341 (AD 96-09-10)	EL	DIE
Oil Pump Body Torqued & Safetied		10
Oil Pump Drive Shaft And Gears Installed	1	10
Fuel Pump Plunger And Lobe Gear Installed	Pro-	10
Crankshaft Idler Gear For Fuel Pump Drive Installed	1 -	10
Tachometer Shaft Oil Seal Installed	2	
Mag Bearing Boss And Bearings Installed	262	
Idler Gear Support Torqued And Safetied	and the second	100
Sump Pickup Plug Installed & Safetied	N/A EL	NIAL
Engine Mounting Bracket Dowels Removed	MAD	NIACS
Oil Sump Installed & Screws Safetied; Bracket Installed	EL	100
Oil Relief Valve Sleeve & Spring Installed	EL	
Rocker Arms Installed In Correct Position For Exhaust & Intake	EL	DR
Valve To Rocker Arm Clearance Checked	EL	06
Magneto Drive Gear Gushion Or Retainer Installed	EL	



SEIF-002L

T: 513.871.9966 F: 513.871.9261 www.SignatureEnginesInc.com

Revision Date: 07/31/2023

LYCOMING NON-DESTRUCTIVE TESTING INSPECTION REPORT

Nork Order # 69011-0H			Custo			عول	ion 8	herm	~		_				
Make Lycoming			Mode	el .	0-3	360	- A4n	4	Ser	ial#	RL	- 41	345-	-34	E
Prop-Strike / Sudden Stoppage	2 Ves		No 🔀				C/O		SEI Co	re [1 1	DI I	□ Spe	ecial I	Insp.
MAGNAF			140 €3			_	0/0		<u> </u>						
Part	MAG	MAG	INSP	INSF	5 1	NOT	REPLD	1							
21 (2) (2) (2) (3) (3) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	PASS	FAIL	PASS	FAIL		NSP									
Crankshaft	X		X	<u></u>							1/4	D2 F	Yes	M	No
Crank Part # 77037	-			rank				19423		- a Abi					140
Crank main journal			⊠ M.C			M.00		M.010	THE RESERVE AND ADDRESS OF THE PARTY OF THE			.000	441		
Crank rod journal	⊠ S		□ M.C			M.00		M.010		run-o	uı.	Flance	e run-ou	ıtı "	
4-clyinder crank journal run-out	#2	.000	•	#3	1.0	000		#3	, 800		#4	rialiy	5 Tull-oc	1	100
6-clyinder crank journal run-out	#1	1 -		#3	<u> </u>			#3			#4			_	
Crankshaft sent for repair	MAG	es D	No INSP	INSI		NOT	REPLD	1							
Part	PASS	FAIL	PASS	FAIL		INSP	KEPLD								
Counterweights					^	10									
Con. Rod Cap	X		×												
Con. Rod Body	X		X												
Camshaft	X		X												
Cam Drive Gear	X		X	-				1							
Crank Drive Gear	X		X	_				-							
Rocker Arms	X		X					-							
Push Rods	X	_	X.	-	_		DESCRIPTION OF THE								
Thru-Bolts	×	-	X	-	-	_	经的多	4							
Gears	X	-	X	-	-		-	-							
Other:]							
ZYGLO	ZYG	ZYG	INSP	INS	P	NOT	REPLD	1							
Part	PASS		PASS			INSP		-							
Crankcase	X	Ц,	×							_	-	1-1-1	44	£	
Case Casting # CII 62000			Case	-			0754	_		Cas	se I	nickne	ess 4.	700	
T Mod (-H2AD & LO/O-360-Exxx models only)	_		erified				for Mod.	-							
Cylinder base studs straight	_		es	+	<u>_</u>	No		4							
Thru-bolt O-ring depth			erified	-	X			+							
Oil grooves in case			erified	+	믁	Cut P50		4							
Big Bore			TD	+	믐	P50		+							
Small Bore			TD	+-	X	No	J	1							
Crankcase sent for repair	ZYG	ZYG	es INSP	INS		NOT	REPLD	+							
Part	PASS		PASS			INSP		- D	oor Co	0 ID #	1.	1421	515		
Rear Case	X	-	×	-	_		+	+ R	ear Cas	SE ID#	00	M//	715		
Oil Sump	X	-	×	_	-	• •	-	4							
Mount Legs	1	_	+	+	-	X	-	-							
Oil Pump Housing	X	+	X	+-	-		-	4							
Oil Filter Housing	X		×	+-	-+		-	4							
Magneto Pads	X	-	X	-	\rightarrow		+	-							
Assembly Pads	X	-	X	+	+		+	\dashv							
Other:	<u></u>	J	T4			ind :	with in a	occords	ance to	Lvc	SI 12	285F	Yes X	1 N	lo 🗆
No	n-Dest	ructiv	e resti	ing Co	ompi	ieu (with in a	uc		_,			. 55		
Technician's Signature:	/	TP(J	14	mp	*				Da	te:_	10-10	. 2023)	
C/O Customer NOT IN	ISP	Not Pro		REPLD	Reg	L	_egend	STD S	Standard		TDI	Teard			
Overhaul	Joo De	or Chec		tina –	Insp	ectio	n Repo	rt		ı	Revi	3000 and	lumber:	RE	EV 3

E9011-04

Approving Civil Aviation Authority/Country:	AUTHORIZED REL	EASE CERT	3. Form Tracking Number: PS-00052643				
FAA/UNITED STATES		ORTHINESS APPROVAL T			73-0	0032043	
Organization Name and Address: Superior Air Parts 621 S. Royal Lane, Suite 1	00, Coppell, TX 75019, USA					tract/Invoice Number: 0013715	
6.Item 7. Description	8. Part numb	er	9. Quantity	10. Serial	number	11. Status/Work	
001 CYLINDER COMPLETE ASSY.	SL36006W-A20F		6(366W000014; 366W000014; 366W000014; 366W000014; 366W000014;	262 263 264 265	NEW	
12. Remarks AIRWORTHINESS APPROVAL 13a. Certifies the items identified above were manufactor Approved design data and are in a condition for		14a. □ 14 CFR 43.9 Re Certifies that unless described in Block 1	otherwise spec	ified in Block	egulation specified i	ed in block 11 and	
Non-approved design data specified in Block 1	2.	Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.					
13b. Authorized Signature:	13c. Approval/Authorization No: PQ0060SW	14b. Authorized Signat	ure:		14c. Approval/	Certificate No.:	
3d. Name(Typed or Printed): 13e. Date(dd/mmm/yyyy): 09 Oct 2023 Darryl Harlos		14d. Name(Typed or Printed): 14e. Date			14e. Date(dd/m	nmm/yyyy):	
		Responsibilities					
It is important to understand that the existence of this described where the user/installer performs work in accordance we Block 1, it is essential that the user/installer ensures that specified in Block 1. Statements in Blocks 13a and 14a do not constitute installer national regulations by the user/installer before the accordance.	ith the national regulations of an airwon this/her airworthiness authority accept allation certification. In all cases, aircra	orthiness authority differen ots aircraft engine(s)/prope	t than the airwo ller(s)/article(s)	rthiness author from the airwo	ority of the country orthiness authority	or the country	

NSN: 0052-00-012-9005

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1-00	١

Approving Civil Aviation Authority/Country:	AUTHODITED	RELEASE CERTI			3. Form Tracking	Number:
FAA/UNITED STATES	•	PS-00052644				
4. Organization Name and Address:		-3, AIRWORTHINESS APPROVAL T			5. Work Order/Cor	ntract/Invoice Numbe
Superior Air Parts 621 S. Royal Lane	Suite 100, Coppell, TX 75019,	USA	PQ0	060SW		00013717
6.Item 7. Description	8. Part	t number	9. Quantity	10. Serial	number	11. Status/Worl
001 CYLINDER COMPLETE ASSY. 12. Remarks AIRWORTHINESS APPROVAL	SL3600	96W-A20P	6	366W0000142 366W0000142 366W0000142 366W0000142 366W0000142	258 259 260 267	NEW
Certifies the items identified above were n Approved design data and are in a cor Non-approved design data specified in	ndition for safe operation.	14a. Certifies that unless described in Block 12 Federal Regulations, to service.	otherwise speci	fied in Block 1	ance with Title 12 C	d in block 11 and
13b. Authorized Signature:	13c. Approval/Authorization		ro' .		14c. Approval/0	Partificate No.
340.	PQ0060SW				14c. Approvaire	eruncate No.:
13d. Name(Typed or Printed):	d. Name(Typed or Printed): 13e. Date(dd/mmm/yyyy):		ted):		14e. Date(dd/mr	nm/vvvv):
	09 Oct 2023					
Darryl Harlos						
	User/Ins	staller Responsibilities		* 11 / 19 Q	. Page 9 .	
t is important to understand that the existence			Il the aircraft er	ngine/propelle	r/article.	
Where the user/installer performs work in according to the sessential that the user/installer ensigned in Block 1.	dance with the national regulations of a	an airworthiness authority different	than the since	thinnen outh	de estable e e e	pecified in the country

Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown. Form 8130-3 (02-14)



Certificate Of Conformance

All parts have been purchased from Original Equipment Manufacturers, Authorized Distributors, Suppliers or Dealers, or Other sources believed by International Aviation Support to be reputable sellers of genuine parts and products. Additional certification is retained on file at IAS and may be obtained upon request.

Customer: Signature Engines Invoice #: 229657 PO Ref #: E9011 Date: 10/10/2023

#	Part #	Description	Condition	Quantity
1 1 1	SL36006W-A20P	Cylinder SN: 366W000014259 SN: 366W000014261 SN: 366W000014262	New	4
1	T.RT23381	SN: 366W000014263 Roller Tappet	New	8

Phuc Le

1. Approving Civil Aviation 2. 3. Form Tracking Number: AUTHORIZED RELEASE CERTIFICATE Authority/Country: FAA / UNITED STATES 072766 FAA Form 8130-3. AIRWORTHINESS APPROVAL TAG 4. Organization Name and Address: 5. Work Order/Contract/Invoice Number: Marvel-Schebler Aircraft Carburetors, LLC 2208 Air Park Drive, Burlington, NC 27215 16PR (CRS V24R156B) Page 1 of 1 6. Item 7. Description 10. SerialNumber 11. Status / Work 8. Part Number 9. Quantity MA-4-5 Overhauled MS16PR03 10-5193 12. Remarks THIS CARBURETOR HAS BEEN OVERHAULED AND TESTED IAW MARVEL-SCHEBLER AIRCRAFT CARBURETORS LLC SPECIFICATIONS. CERTIFIES THAT THE WORK SPECIFIED IN BLOCKS 11/12 WAS CARRIED OUT IAW EASA PART 145 AND IN RESPECT TO THAT WORK THE ARTICLE IS CONSIDERED READY FOR RELEASE TO SERVICE FOR WORK PERFORMED UNDER EASA ACCEPTANCE CERTIFICATE NUMBER EASA.145.6280. COMPLETE DETAILS HELD ON FILE IN REFERENCE JOB ORDER ABOVE. APPLICABLE SERVICE BULLETINS AND AIRWORTHINESS DIRECTIVES HAVE BEEN COMPLIED WITH AS OF THIS DATE. ASSEMBLY PRESERVED FOR SHORT TERM STORAGE. X 14 CFR 43.9 Return To Service 13a. Certifies the items identified above were manufactured in conformity to: Other Regulation Specified in Block 12 Approved design data and are in condition for safe operation. Certifies thate unless othewise specified in block 12, the work identified in block 11 and described in block 12 was accomplished in accordance with Title 14, Cde of Federal Regulations, part 43 and in Non-approved design data specified in Block 12 respect to that work, the items are approved for return to service. 13c. Approval / Authorization No.: 14b. Authorized Signature 13b. Authorized Signature: 14c. Approval / Authorization No. : V24R156B 13e.Date (dd/mmm/yyyy) 13d. Name (Typed or Printed) 14e.Date (dd/mmm/yyyy) 14d. Name (Typed or Printed) 11 Sep 2023 Mark Keeney Jr. User /Installer Responsibilitie It is important to understand that the existence of this document alone does not automatically constitue authority to install the aircraft engin/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the Country specified n Block 1.

accordance with the national regulations by the user/installer before the aircraft may be flown.

Statement in Blocks 13a and 14a do not constituee installation certification. In all cases aircraft maintenance records must contain an installation certification issued in

E9011-017

1.	Approving Civil Aviation 2. Authority/Country:					3. Form	Tracking Number:	
	FAA/United States	AUTHORIZED RELE FAA Form 8130-3, AIRWOR			TE		1948299-9	
4. Orga	nization Name and Address:					5. Work (Order/Contract/Invoice	
	ero, LLC, 1400 E. South Blvd.	Montgomery, AL 36116 (PQ4176C	E)			Number:	1948299	
6. Item	7. Description:	8. Part Number:	9	Quantity:	10. Serial Nu	mber:	11. Status/Work:	
1	HARNESS ASSY	KA14001		1	N//	A	NEW	
12. Rer								
	Item 1. Date Code:		-					
13a. Ce	ertifies the items identified above wer	e manufactured in conformity to:		14a. 14 CFR 43.9 Re	turn to Service	Othe	er regulation specified in Block 12	
x	Approved design data and are in	n a condition for safe operation.					the work identified in Block 11 ordance with Title 14, Code of	
	Non-approved design data specifi	ed in Block 12.			THE RESERVE OF THE PARTY OF THE		ork, the items are approved for	
13b. Au	uthorized Signature:	13c. Approval/Authorization No.: PQ4176CE		14b. Authorized Signature			14c Approval/Certificate No.:	
13d. Na	ame (Typed or Printed):	13e. Date (dd/mmm/yyyy):		14d. Name (Typed or Prin	ted):		14e. Date (dd/mmm/yyyy):	
	#ONEISHA R. BEDGOOD	1 2 SEP 2023	8					
			_	Responsibilities			3	
		ce of this document alone does not automatically con		i i				
Block 1 Block 1	, it is essential that the user/installer	ecordance with the national regulations of an airworth ensures that his/her airworthiness authority accepts p	oarts/	components/assemblies f	rom the airworth	iness author	rity of the country specified in	
	Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the							

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T (O (· · · · ·	Ī							
Approving Civil Aviation 2 Authority/Country:			3. Fo	rm Tracking Number:				
FAA/United States	AUTHORIZED RELE FAA Form 8130-3, AIRWOR	[[[[[[[]]]]][[[]]][[[]]][[[]][[]][[]][ATE	L-07146				
Organization Name and Address:			5. V	Vork Order/Contract/Invoice				
Kelly Aero, LLC, 1400 E. South Blvd.	, Montgomery, AL 36116 (9KJR3560	C)	Number: 1946939					
6. Item 7. Description:	8. Part Number:	9 Quantity:	10. Serial Number:	11. Status/Work:				
1 MAGNETO 4300 SERIES	4371	1 ,	L-07146	OVERHAULED				
12. Remarks: DVERHAULED IN ACCORDANCE WITH APPROVED RS DER KA-ROS-2021-001 DATED 5/17/2021 AND IPL SECTION OF CHAMPION AEROSPACE DVERHAUL MANUAL L-1363J, DATED APRIL 20, 2021. SERVICE BULLETINS COMPLIED WITH: SB1-07, SB2-08B, SB1-12, SB3-08A, SB3-08B, SB1-15A, SB1-19, SB2-19A, SB1-86C. FULL DETAILS OF WORK CARRIED OUT PER WORK ORDER NO. 1946939 DERTIFIES THAT THE WORK IN BLOCK 11/12 WAS CARRIED OUT IN ACCORDANCE WITH TITLE 14, CODE OF FEDERAL REGULATIONS, PART 43 AND WITH EASA PART 145. WITH RESPECT TO THAT WORK THE AIRCRAFT COMPONENT IS CONSIDERED READY FOR RELEASE TO SERVICE UNDER EASA APPROVAL CERTIFICATE NUMBER EASA.145.6588 AND BY THE FAA AIR AGENCY CERTIFICATE NUMBER 9KJR356C. 14a								
13b. Authorized Signature:	13c. Approval/Authorization No.:	14b. Authorized Signature		14c. Approval/Certificate No.:				
		Van 1	1. Ben	9KJR356C				
13d. Name (Typed or Printed):	13e. Date (dd/mmm/yyyy):	14d. Name (Typed or Prin		14e. Date (dd/mmm/yyyy):				
		VONEISHA R. BEDI	GOOD	1 3 JUL 2023				
User/Installer Responsibilities								
It is important to understand that the exist	ance of this document alone does not automatically c	constitute authority to install th	e part/component/assem	bly.				
Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworhtiness authority accepts parts/components/assemblies from the airworhtiness authority of the country specified in Block 1.								
Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the National regulations by the user/installer before the aircraft may be flown.								

FAA FORM 8130-3 (02-14)

E9011-04

A.m.	. – . (
1.#	Approving Civil Aviation Authority/Country:	2.		3. Form	Tracking Number:	
	FAA/United States	TE	L-03501			
4. Organ	nization Name and Address:			5. Wor	k Order/Contract/Invoice	
		Blvd., Montgomery, AL 36116 (9K	(JR356C)	Number:	1944092	
6. Item	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
	MAGNETO 4300 SERIES	4370	- i 1	L-03501	OVERHAULED	
OVERHA SERVIC FULL DE CERTIFI REGULA CONSID AND BY	AULED IN ACCORDANCE AUL MANUAL L-1363J, DE BULLETINS COMPLIED ETAILS OF WORK CARR IES THAT THE WORK IN ATIONS, PART 43 AND WORKED READY FOR RELIF THE FAA AIR AGENCY OF	O WITH: SB1-07, SB2-08B, SB1-12, SB3-08 IED OUT PER WORK ORDER NO. IBLOCK 11/12 WAS CARRIED OUT IN ACC VITH EASA PART 145. WITH RESPECT TO EASE TO SERVICE UNDER EASA APPROVICERTIFICATE NUMBER 9KJR356C. Overwere manufactured in conformity to: Indian are in a condition for safe operation.	14a. X 14 CFR 43.9 If Certifies that unless othe and described in Block 1: Federal Regulations, par	OF FEDERAL MPONENT IS 1.145.6588 Return to Service X rwise specified in Block 12 2 was accomplished in acc t 43 and in respect to that	Other regulation specified in Block 12 I, the work identified in Block 11 cordance with Title 14, Code of work, the items are approved for	
			return to service			
13b. Au	thorized Signature:	13c. Approval/Authoriza	ation No.: 14b. Authorized Signature:		14c. Approval/Certificate No.:	
			Million /	ming	9KJR356C	
13d. Na	me (Typed or Printed):	13e. Date (dd/mmm/yy)		T. Kennedy	14e. Date (dd/mmm/yyyy): 3 1 MAR 2023	
			Jser/Installer Responsibilities			
Where to Block 1, Block 1.	the user/installer performs we it is essential that the user/in this ents in Blocks 13a and 14a do	existance of this document alone does not automork in accordance with the national regulations of extaller ensures that his/her airworhtiness authorition of constitute installation certification. In all case aller before the aircraft may be flown.	an airworthiness authority different than y accepts parts/components/assemblie	the airworthiness authorits from the airworhtiness at	y of the country specified in uthority of the country specified in	

ApprovingCivil Aviation **AUTHORIZED RELEASE CERTIFICATE** 3. Form Tracking Number: Authority/Country **FAAJUNITED STATES** FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG W/O 154749 4. Organization Name and Address: 5. Work Order, Contract, or Invoice Number: Aerotech of Louisville, Inc. 2209 Watterson Trail W/O: 154749 Louisville, KY 40299 7. Item Description: Part Number: Quantity Serial Number. Status/Work; **FORD** 1 S/N H-R010244 DOFF10300J **OVERHAULED ALTERNATOR** 12. Remarks This item was OVERHAULED by Aerotech of Louisville, Inc. on w/o # 154749 Dated 10/OCT/2023 FAA Approved repair station number PU4R453M. OVERHAULED unit per overhaul manual SGA-1000 13a. Certifies the items identified above were manufactured in conformity to: 14a X 14 CFR 43 9 Return to Service Other regulation specified in Block 12 Certifies that upless otherwise specified in block 12, the work identified in Approved design data and are in a condition for safe operation Block 11 and described in Block 12 was accomplished in sordance with Title 14, Code of Federal Regulations, part 43 and in respect to that Non-approved design data specified in Block 12 work, the items are approved for return to service. 13b. Authorized Signature. 13c Approval/Authorization No: 14b. Authorized Signature: 14c. Approval/Certificate No PU4R453M 13d. Name (Typed or Printed): 13e Date (dd/mm/yyyy): 44d. Name (Typed or Printed): 14e. Date: (Can/yyyy): **WIKE EVANS** 10/OCT/2023 User/Installer Responsibilities It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article... Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification. issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

Aerotech of Louisville Inc. 2209 Watterson Trail

Louisville, KY 40299

FAA Certified Repair Station # PU4R453M

Ford	SGA-1000	Alter	nator	Maintenance	Release

Model <u>14V 60A</u> Work Order No. <u>154749</u>				Part No. DOFF10300J Technician CHRIS FAJARDO		00	Serial No. H-R010244 Date 10/OCT/2023			
This	unit was overhai	disas ıl mar	sembled, cleane nual specificatio	d, insp ns and	ected, reas 'in accorda	sembled, and tes	ted in a	iccord regui	dance with d	current manufacturer cerning this unit.
						Parts Have Be Parts Are Service				
Qty.	Part#		Desc.		Part#	Desc.		Qty.	Part#	Desc.
1	ES4118		BRUSH SET	100.	Tarm	5000.				
1	ES4113		RECTIFIER	 						
1	X-4612	!	DE BEARING	1						
1	X-4130)	CE BEARING							
	1					MAIOD				
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		In	some instances F.A	.A. app	roved P.M.A	parts are used other	than the	e origii	nai manujacii	irer's
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This unit is approved for return to service

Signature // 12	2	Date_	10/OCT/2023	
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Page No. TOTAL TACH OR DESCRIPTION OF WORK PERFORMED -TOTAL RECORDING TIME TIME DATE SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK SINCE METER SERVICE OVERHAUL TTSOH: 74.2 DATE: 02/27/2025 N80495 Hobbs:500T.2 ETT:2214.2 1184 2324 Performed ANNUAL INSPECTION per the scope & detail of FAR 43 app. "D". #1 #2 #4 #3 76/80 77/80 77/80 78/80 Changed oil and filter, serviced engine with Phillips 20w50 Replaced #2 intake gasket Ran engine, no leaks noted. I certify that this ENGINE has been inspected in accordance with an ANNUAL INSPECTION & is in airworthy condition. David Murphree: A&P3542861 IA McKinney Wiation 580 Beechcraft Ave. Suite 108 Chesterfield MO 63005 Registration # Date **TSMOH** N80495 6/4/25 220 Changed oil and filter, serviced engine with Phillips 20X50 Replaced carb heat scat hoses. Ran engine, no leaks noted. Victor Valdes 3338962 a&p Mckinney Aviation 580 Beechcraft Ave. Suite 108 спезтепівіа мо. 63003 Registration # Date Hobbs N80495 07/29/2025 5243.1 / 282.6 Changed oil and filter, serviced engine with Phillips XC 20-50. Removed and replaced oil pressure switch with new. Ran engine, no leaks detected. Victor Valdes 3338962 a&p McKinney Aviation 580 Beechcraft Ave. Suite 108 Chesterfield MO. 63005

TOTALS-Carry forward to next page