AIRCRAFT MAINTENANCE RECORDS

Owner		
Aircraft Reg	istration N	
Manufacture	er Lycoming	
Model	SHO- AEI AS	
Serial No.	L-31601-48A	
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		ENGINE ACCESSORIES INSTALLED) U	1 Salp - 11 - Joseph St 11 - 12	
OIL COC	DLER	STEWART WARNER	S/N_	3084	
OIL COC	OLER)	STEWART WARNER		573	
RIGHT N	MAGNETO	TCM AIRCRAFT PRODUCTS DIV.	S/N	E06FA140	
LEFT MAGNETO		TCM AIRCRAFT PRODUCTS DIV.			
ALTERN	ATOR			G031591	
STARTE	R	B & C SPECIALTY PRODUCTS		0306240372	
FUEL CO	ONTROL	PRECISION AIRMOTIVE	S/N	72HA CSON	
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·		I OF WORK PERFORMED IUMBER OF PERSON PERFORMING WORK
es VICHTAIN	NORMOON FROM FROM FROM FROM FROM FROM FROM FROM	THE ORIMING WORK
	Cedar Ridge Asiation P.O. Box 37 Ross City , Tesso 755/9 215-465-482	
N212JB	LYCOMING, 10-540-AE1AS, 5/N: L-31601-48A June 28, 2016	
Hobbs: 1708.8	TTSN: 1700.8 SMOH: 1700.8	wo: WO2018-0037
ENGINE 100 HOU Aeroshell w100 Pi SB 388C, NO DEF	UR INSPECTION, COMPLETED PER LYCOMING O-540 OPERATORS MANUAL Installed (8) Aeroshell w100 Plus us, Installed (1) AA48106-2 - OIL FILTER SECTS MOTHER	2.
-	proportion of the second secon	Ceder Pidge Avision - P.O. Box 37 - Knox City - Tensa 79528 - 315-485-482 N212JB LYCOMING, IO-540-AE1A5, S/N: L-31601-48A
	A ARTICLE HAS BEEN INSPECTED OR REPAIRED IN ACCORDANCE WITH THE CURRENT MANUFACTURE COURS AND FEDERAL AVANCON REGULATIONS AND IS DETERMINED TO BE IN AN AIRMORTHY CONDITION of are on file with Gedur Ridge Availation under work order: WO2017-0024.	Hobbe: 1995 0 TTOM soor a
Rob Hagen A&P 366534	n Distriction	REMOVED AND REPLACED #28#4 CYL WITH NEW CYLINDERS PER LYCOMING 10-540 MM (PN:05K21120). THIS ENGINE AND OR ARTICLE HAS BEEN INSPECTED OR REPAIRED IN ACTIONS AND IS DETERMINED TO BE IN AN AIRWORTHY CONDITION. Details of work performed a Cedar Ridge Aviation under work order: WO2018-0037.
		Gus Korzekwa A & P 3929689
W02017-0029	POBINSON ENGINE MAINTENANCE INSPECTION page 1 of 1	
	CSDAR RIDGS	
	Ceder Ridge Aviation - P.O. Box 37 - Knox City , Terus 79528 - 315-496-4482	
212JB	LYCOMING, IO-540-AE1AS, S/N: L-31601-48A July 10, 2018	
obbs: 1735.6	TTSN: 1735.6 SMOH: 1735.6	
1. PERFORMED 100 H	HOUR INSPECTION PER LYCOMING 10-540 OPERATORS MANUAL SECTION 4-5.	
IS ENGINE AND OR A	ATICLE HAS BEEN INSPECTED OR REPAIRED IN ACCORDANCE WITH THE CUR-	Kemoued Engine
	IRTICLE HAS BEEN INSPECTED OR REPAIRED IN ACCORDANCE WITH THE CUR- MAINTENANCE PROCEDURES AND FEDERAL AVIATION REGULATIONS AND IS DE- AIRWORTHY CONDITION. Details of work performed are on file with Cedar Ridge Avia-	600 () 1
n under work order: WO	2017-0029.	see Engire Log
s Korzekwa A & P 3929	1689	Book Crom
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18-0038	ROBINSON ENGINE MAINTENANCE/INSPECTION page 1 of 1	
	द्रश्यम् आन्तर	11111111
	Ceder Rildge Aviation - P.O. Bax 37 · Knox City , Texas 79528 - 315-486-4482	Installed 6/25/19
	COMING, IO-540-AE1A5, S/N: L-31601-48A August 2, 2018	, (
	"SN: 1898.0 SMOH: 1898.0	
NOUR INCOCCATION		
	COMPLETED PER LYCOMING OPERATORS MANUAL O-540 SECTION 4-5.	
GINE AND OR ARTICL	E HAS BEEN INSPECTED OR REPAIRED IN ACCORDANCE WITH THE CUR- ENANCE PROCEDURES AND FEDERAL AVIATION REGULATIONS AND IS DE- ORTHY CONDITION. Details of work performed are on file with Cedar Ridge Avia-	
ED TO BE IN AN AIRW(r work order: WO2018-0	DRTHY CONDITION. Details of work performed are on file with Cedar Ridge Avia-	
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Date	Total Time	DESCRIPTION OF WORK SIGNATURE & CERTIFICATE NUMBER OF F	
ARRIED			
RWARD			
5/12/20		N212JB	2096.5 TTAF
D-540-AE1	A5		SN L-31601-48A
enlaced ca	m oil temp sen	Engine der 3080-37, L/H R/H magnetos. Ignition	n harnoonen anauluuluus
uel control s	servo RSA-10AL)1, alternator belt B173-3, starter, vernat	therm. 6 ea cylinder
ssemblies.	Ground run, lea	k check, idle and mixture settings. I I ce spection and was determined to be in an	rtify this engine has been
	y v a 100 111 1116		ranworthy condition.
ason Dicker	rson	AP 3070388	
agon Dickel	3011		
	11-12-21	NaIZJB	
	Eng T30	: 2126.3 EngTT: 2126.	3
	IO-540	1 2	
		Removed Eng. To Be Ove	rhauled
		Removed Eng. To Be Ove Ref R44 MM Sec (2)10	
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AIRCRAFT MAINTENANCE RECORD

Date

Total Time

DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NUMBER OF PERSON PERFORMING WORK

CARRIED FORWARD

26-3

ROPIC AIRPOWER

Quality Aircraft Engine Overhaul FAA Overhaul Repair Station T7KR187Y 20600 SW Citrus Blvd Indiantown, Florida Ph 561-964-8770

www.tropicairpower.com

Date November 23, 2022, Work Order# 1642 Engine; Lycoming IO-540-AE1A5 S/N L-31601-48A. This Engine/Power Plant is zero time "SINCE" overhaul-rebuild to new limits. Engine TT Continuing. Engine has been test run successfully, is airworthy and approved for return to service. Eligibility is TBV by the installer. Details of work on record at this repair station. Major Overhaul of Engine: Crankshaft/counterweights o/hauled std/std. Rods, Rocker Arms O/Hauled (A.S.S). Crankcase o/hauled with new cylinder studs (Divco). New Lycoming Camshaft and lifter bodies. New Main/Rod bearings. New Lycoming cylinder Assemblies. New rocker shaft/thrust washers. New Rod bolts/nuts. New hardware throughout. New Thru-Studs. All new; gaskets, seals and locking devices. New Drain back Tubes/hoses, clamps, magneto cushion rubbers. Magnetos rebuilt (TCM) New, New Horizon Ignition Harness and sparkplugs. New Crankshaft Gear & bolt. New Fuel Pump. Fuel Servo, Flow Divider, Injectors o/h (D/G). New inter-cylinder baffeling. All parts cleaned Inspected-NDT. New oil pressure spring and ball. New Vernatherm. Overhauled B/C 24V Starter. New oil sump BAFFEL. New 67542 magneto bearings in crankcase. Engine test run with Philips Mineral 20w50 oil and Cortec 329. Oil filter cut open after test run, clean. New no blow exhaust gaskets with RHC hardware. "OIL DRAINED

Wew oil filter instelled. All engine open ports plugged/covered. Two new Oil coolers . NO OIL IN ENGINE!

wo: WO 20

Engine · page 1 of 1

Viking Aviation Maintenance · 1740 Entrance Dr · New Braunfels, TX 78130 · 9105467328

N163RK

Lycoming IO-540-AE1A5, S/N: L-31601-48A

April 20, 2023

ACTT: 5466.4 ETT: 0.0

Collective Hobbs: 5466.4

Removed engine PN:IO-540-AE1A5 SN:L-30194-48A and installed engine PN:IO-540-AE1A5 SN:L31601-48A. Performed break-in procedure IAW Lycoming MM. Performed operational flight with no discrepancies.

I certify that this powerplant has been inspected per approved maintenance publications, it is in airworthy condition, and is approved for return to service IAW CFR Far part 43. Details of work performed are on file with Viking Aviation Maintenance under work order: WO_20.

Michael Chaloupka AP/IA 3607269

wo: WO_42

Engine - page 1 of 1

Viking Aviation Maintenance · 1740 Entrance Dr · New Braunfels, TX 78130 · 9105467328

N163RK

Lycoming IO-540-AE1A5, S/N: L-31601-48A

May 23, 2023

Collective Hobbs: 5488.2

- 1. Complied with Engine 100 hour inspection IAW Lycoming MM.
- 2. Complied with SB480 Oil and Filter Change.
- 3. Complied with compression check #1-80, #2-80, #3-80, #4 78, #5-80, #6-80, the compression checked good.
- 4. Performed magneto timing RH-1 1/2 teeth, LH-1 tooth Ret-1 tooth.
- 5. Complied with SB388/SB301 exhaust valve guide wobble check with the following results #1-.015, #2-.018, #3-.014, #4-.015, #5-.018, #6-.016.

I certify that this powerplant has been inspected per approved maintenance publications, it is in airworthy condition, and is approved for return to service IAW CFR Far part 43. Details of work performed are on file with Viking Aviation Maintenance under work order: WO_42.

Michael Chaloupka AP/IA 3607269



AIRCRAFT MAINTENANCE RECORD Page No. _

Date	Total Time	DESCRIPTION OF WORK PERFORI SIGNATURE & CERTIFICATE NUMBER OF PERSON PE	RFORMING WORK
ORWARD	wo: WO_96		Engine · page 1 of 1
	, m	ting Aviation Maintenance · 1740 Entrance Dr · New Braunfels, TX 78130	9105467328
	N163RK	Lycoming IO-540-AE1A5, S/N: L-31601-48A	May 23, 2023
	Collective Hob	bs: 5513.2	
	Temest AA4811	ced engine oil with Aeroshell 100+ and removed and replaced 0-2 filter. Pulled and checked suction screen with no discrepanci	
*	I certify that this	powerplant has been inspected per approved maintenance pub approved for return to service IAW CFR Far part 43. Details of v ion Maintenance under work order: WO_96.	lications it is in airworthy
		Ma	
	wo: WO_88		Engine page 1 of 1
	Vil	king Aviation Maintenance · 1740 Entrance Dr · New Braunfels, TX 7813	0 · 9105467328
	N163RK Collective Hob	Lycoming IO-540-AE1A5, S/N: L-31601-48A bs: 5563.0	April 19, 2023
	Temest AA4811	iced engine oil with Aeroshell 100+ and removed and replaced 0-2 filter. Pulled and checked suction screen with no discrepand	163.
	condition and is	powerplant has been inspected per approved maintenance pules approved for return to service IAW CFR Far part 43. Details of tion Maintenance under work order: WO_88.	olications, it is in airworthy work performed are on file
		pka AP/IA 3607269 MCL	
100.00		VIKING AVIATION MAINTENANCE LLC.	
- 1			
	14J	un23 Registration N163RK Make: Lycoming Model: IO-540-AE1A5 SN: L-31601-4	18A
Perfor	med 100 Engine Hour I	Spection IAW RHC 1922 M/M, section 2.400 and Lycoming Operators Manua	Section 4 and 5.
1.	C/W Lycoming SI 1080C. I C/W Lycoming SB480F. D	No defects noted. rained oil and serviced with 6 quarts of Aeroshell 100+. Inspected oil filter and su	ction screen with no defects note
4. 5. 6.	C/W Lycoming SI1191A. C C/W Lycoming SB366C. P C/W Lycoming SB388 for	Compression checks are as follows: #1: 78/80, #2 74/80, #3 72/80, #4 71/80, #5 erformed visual inspection of carburetor. No leaks/defects noted. first 100 hour from overhaul IAW Lycoming SB no defects noted.	71/80, #6 76/80. All within limit
8.		c noted	
9.	C/W RHC SL62. Removed	ted, tested and reinstalled 8 spark plugs.	ction 1.101 and Lycoming Opera
10.	All RHC and Lycoming into Manual Sections 4 and 5.	ted, tested and reinstalled 8 spark plugs.	ection 1.101 and Lycoming Opera
10. 11. 12.	All RHC and Lycoming into Manual Sections 4 and 5. All applicable AD's and SB Performed operational an Ify that this Engine has b	ted, tested and reinstalled 8 spark plugs. cleaned and reinstalled air filter. erval maintenance has been complied with at this time per R22 M/M Table 1 of se 's have been reviewed and/or complied with at this time.	A SECTION OF THE SECT
10. 11. 12.	All RHC and Lycoming into Manual Sections 4 and 5. All applicable AD's and SB Performed operational an	ted, tested and reinstalled 8 spark plugs. cleaned and reinstalled air filter. erval maintenance has been complied with at this time per R22 M/M Table 1 of se so have been reviewed and/or complied with at this time. d leak checks on all systems with no defects noted. een inspected per Robinson/Lycoming 100 hour inspection, is in airworthy	, a
10. 11. 12.	All RHC and Lycoming into Manual Sections 4 and 5. All applicable AD's and SB Performed operational an affy that this Engine has be to service.	ted, tested and reinstalled 8 spark plugs. cleaned and reinstalled air filter. erval maintenance has been complied with at this time per R22 M/M Table 1 of se so have been reviewed and/or complied with at this time. d leak checks on all systems with no defects noted. een inspected per Robinson/Lycoming 100 hour inspection, is in airworthy	A TOTAL CONTRACTOR
10. 11. 12.	All RHC and Lycoming into Manual Sections 4 and 5. All applicable AD's and SB Performed operational an affy that this Engine has be to service.	ted, tested and reinstalled 8 spark plugs. cleaned and reinstalled air filter. erval maintenance has been complied with at this time per R22 M/M Table 1 of se so have been reviewed and/or complied with at this time. d leak checks on all systems with no defects noted. een inspected per Robinson/Lycoming 100 hour inspection, is in airworthy	A TOTAL CONTRACTOR

AIRCRAFT MAINTENANCE RECORD Page No.

Date	Total Time	DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NUMBER OF PERSON PERFORMING WORK
		Kachemak Bay Flying Service 7720C AIRPORT RD. TEMPLE, TX. 76504 254-773-9902 6 March 2024
N1 En	63RK Rol gine: Lycoming	Dinson R44 Raven II S/N: 11120 Tach: 5612.6 ACTT: 5612.6 IO-540-AE1A5 S/N: LE-31601-48A TSN: 146.2 TSMOH: 146.2
1	. This engine was re contaminated fuel	moved from N163RK for inspection and servicing for engine failure due to resulting in a hard landing and T/R Strike.
	a. Flow D b. Servo,	g components were removed and sent to D&G Supply, CRS#NK2R034L bivider, P/N 2576526-1, S/N ABX9010. Overhauled under WO# 45038 P/N 2576630-4, S/N 70B59705 Repaired under WO# 45038 (6ea), P/N 2524864-2, NSN Cleaned and tested under WO# 45038
		ents were reinstalled IAW current Lycoming MM, and RHC MM Para 6.495
		cope inspection of all cylinder bores, no damage was noted at this time.
Τ.	Remistance engine	in N163RK per RHC MM Para 6.120
		Mark McDaniel AP3092072
		SUB-TOTAL THIS PAGE
		TOTAL - CARRY FORWARD TO NEXT PAGE

Robinson R44 II

AD#	Subject	Amdt#	Eff Date	Recurring
94-17-18	Superseded By 94-26-10			
/94-26-10	Cyclic Control System	39-9105	01/11/95	
√ 03-24-51 E	Swashplate Bolts		11/28/03	
V 07-11-01	Seat Belt Buckle Assembly	39-15058	06/27/07	
~ 07-26-12	Superseded By 11-12-10			
√ 10-24-03	Tail Rotor Control Pedal Bearing Block	39-16521	12/29/10	
/11-12-10	Superseded By 14-23-16			
13-05-15	Emergency Float Inflation Valve Assembly	39-17387	04/30/13	
/ 14-23-16	Main Rotor Blade Debonding	39-18032	01/09/15	Yes*
16-26-04	Main Rotor Blade Fatigue Crack	39-18762	02/08/17	
19-12-18	Superseded By 20-18-08			
20-05-11	STC SR00286BO Simplex Model 244 Spray System N/A	39-19863	04/16/20	Yes*
20-08-10	Tail Rotor Blade Cracks	39-19902	05/22/20	Yes
20-18-08	Orange Silicone Engine Air Induction Hose	39-21229	08/27/20	Yes
121-19-08	Superseded By 22-19-12			
/22-12-08	RPM Sensor Wiring	39-22080	06/29/22	ž
^ 22-19-12	Tail Rotor Blade Cracks	39-22181	10/20/22	Yes

70 APIA 3607269

1. Approving National Aviation	2. AT	THORIZED RE	LEASE CEPTI	FICATE	3. Form Tracking Number:
Authority/Country: FAA/United States 4. Organization Name and Address:	D & G Supply	FAA Form 8130-3, AIRW	ORTHINESS APPROVA	LTAG	Invoice # 31397
	1916 Industrial Drive Niles, MI 49120	Telephone: 800-446-8160			5. Work Order/Contract/Invoice Number
6. Item: 7. Description:	2710	8. Part Number:	9. Quantity:	10. Serial/Batch Number	
2. Remarks:	937	the actual work performed is attached	od The proposition	19/14	
3a. Certifies the items identified above Approved design data and are in o	ondition for safe operation	n.	Block 12 was accompli	nerwise specified in block 12	regulation specified in Block 12 2, the work identified in Block 11 and desci le 14, Code of Federal Regulations, part 43 turn to service.
3b. Authorized Signature:	> <	13c. Approval/Authorization No.:	14b. Authorized Signature:	Rouse	14c. Approval/Certificate No. NK2R034L
13d. Name (Typed or Printed):	1	13e. Date (dd/mmm/yyyy):	14d. Name (Typed or Print		14e. Date (dd/mmm/yyyy): // OCT 202
It is important to understand that t	he existence of this docum	User/Insta	ller Responsibilities		
where the user/installer performs was ser/installer ensures that his/her airwo	vork in accordance with t rthiness accepts parts/co not constitute installation	he national regulations of an airworthin	ness authority different than the air	rworthiness authority of the	e country specified in Block 1, it is essential in accordance with the national regulation NSN: 0052-
Approving National Aviation	2. AT	THODIZED DE	EACE CEDEV		
organization Name and Address:	AC	THORIZED REJ FAA Form 8130-3, AIRW	DEASE CERTI	TAG	3. Form Tracking Number: Invoice # 3/397-
Organization Name and Address:	D & G Supply 1916 Industrial Drive Niles, MI 49120	#NK2R034L Telephone: 800-446-8160			5. Work Order/Contract/Invoice Numbe
7. Description:	Asign	8. Part Number:	9. Quantity:	10. Serial/Batch Number	Work Order # 7 5 0 5
	n alola	the actual work performed is attache	26-1	4-RX 401	o overhau
Non-approved design data specific b. Authorized Signature:	d in Block 13.	13c. Approval/Authorization No.:	Block 12 was accomplis	ned in accordance with Title items are approved for retu	, the work identified in Block 11 and descret 14, Code of Federal Regulations, part 43 urn to service. 14c. Approval/Certificate No. NK2R034L
d. Name (Typed or Printed):	5	13e. Date (dd/mmun/vyyy):	14d. Name (Typed or Printe	ROMEY	14e. Date (dd/mmm/yyyy):
ser/installer ensures that his/her airwo	ork in accordance with the thiness accepts parts/con ot constitute installation (ent alone does not automatically constite e national regulations of an airworthin aponents/assemblies from the airworthi ertification. In all cases, aircraft maint	ess authority different than the air	worthiness authority of the	country specified in Block 1, it is essential in accordance with the national regulation NSN: 0052-
	Section Report Metallic Section 1996	PSMI) Fried (E. 1. F			
approving National Aviation thority/Country: FAA/United States	AU	THORIZED REI			3. Form Tracking Number: Invoice # 31397
Organization Name and Address:	1916 Industrial Drive	*NK2R034L Telephone: 800-446-8160			5. Work Order/Contract/Invoice Number
tem: 7. Description:	ervo	8. Part Number: 257663	9. Quantity:	10. Serial/Batch Number	11. Status/Work: O5 Repaire
a. Certifies the items identified above v Approved design data and are in c Non-approved design data specifie	vere manufactured in con		14a. 14 CFR 43.9 Retu Certifies that unless oth Block 12 was accomplis	rn to Service	regulation specified in Block 12 t, the work identified in Block 11 and descr te 14, Code of Federal Regulations, part 43
3d. Name (Typed or Printed):		13e. Date (dd/mmun/yyyy):	14d. Name (Typed or Print		NK2R034L 14e. Date (dd/mmm/yyyy):
		User/Insta	RUSSELL Her Responsibilities	ROMEY	S0ST>00\
Where the user/installer performs v	ork in accordance with t rthiness accepts parts/col lot constitute installation	ent alone does not automatically consti he national regulations of an airworthin nponents/assemblies from the airworth	tute authority to install the part/co	rworthiness authority of the ified in Block 1.	e country specified in Block 1, it is essentia

FAA Form 8130-3 (02-14)

FAAN STATES 4. Organization Name and Address Aerote	6 Item: 7	HAF	12. Remarks: C@PY OF W CERTIFIES 1 AIRCRAFT C AGENCY CE	AS MOD/NO THE FOLLOU	13a Gertifies the its	Appr		1	13d. Name (Typed or Printed):		It is important to und	Where the user/inst of antry specified in a orthiness autho	P()	iss ed in accordance
ch of Louisvi	Description: 8.	RTZELL ERNATOR	AS MOD/NO & ORIG. MFG. COMPLIES WITH STATE OF ST	\$ ORIG. MFG. COMPLIES WITH SO /ING SERVICE BULLETINS & AD N	items identified above were manufactured in conformity to	oved design data and are in approved design data speci		B:	inted):	man to	erstand that the existence of t	aller performs work in accorda Block 1, it is essential that the	ordiness additing or the country specified in blook is	ements in Blocks 13a and 14a do not constitute installation certification. ed in accordance with the national regulations by the user/installer before
FAA Form 8130-3, Inc. 2269 Watte		ALU-8521-9	CGPY OF WORK ORDER AVAILABLE ON REQUEST FROM AEROTECH OF LOUISVILLE CGPY OF WORK ORDER AVAILABLE ON REQUEST FROM AEROTECH OF LOUISVILLE CERTIFIES THAT THE WORK SPECIFIED IN BLOCK 11/12 WAS CARRIED OUT IN ACCCURATION OF THE ORIGINAL COMPONENT IS CONSIDERED READY FOR RELEASE TO SERVICE UNDER AGENCY CERTIFICATE NUMBER PUARA53M APPROVED FOR EXPORT. THE ORIGINAL MODINO & ORIG. MFG. COMPLIES WITH SGA-1000 REV. 3 05/21/2020	AS MOD/NO & ORIG. MFG. COMPLIES WITH SGA-1000 REV. 3 05/21/2020 THE FOLLOWING SERVICE BULLETINS & AD NOTES HAVE BEEN COMPLIED WITH OR RESEARCHED	nufactured in conformity to	a condition for safe operation fied in Block-12	13c. Approval/Authorization No:		13e. Date (dd/mm/yyyy):	User/Installer	It is important to understand that the existence of this document along does not automatically contained to the existence of this document along does not automatically contained to the existence of the participal regulations of an airwork to the existence of th	nce with the national regulation user/installer ensures that his/i	- :intion continuation. In a	accordance with the national regulations by the user/installer before the aircraft may be flown
AIRWORTHINESS AP	antity	1	CCORDANCE WITH CCORDANCE WITH DER EASA APPROVIONAL EQUIP. MFC	OR RESEARCHED A	14a. X	Certifies Block 11 with Title work, the	vo. 14b. Authorized Signature:	14d. Name	14d. Namé (User/Installer Responsibilities	utomatically con	s of an airworth ner airworthines		e the aircraft may be
APPROVAL TAG Louisville, KY 40299	10. Serial Number:	S/N H-O070439	COPY OF WORK ORDER AVAILABLE ON REQUEST FROM AEROTECH OF LOUISVILLE. CERTIFIES THAT THE WORK SPECIFIED IN BLOCK 11/12 WAS CARRIED OUT IN ACCORDANCE WITH EASA PART 145 AND WITH RESPECT TO THAT WORK THE AIRCRAFT COMPONENT IS CONSIDERED READY FOR RELEASE TO SERVICE UNDER EASA APPROVAL CERTIFICATE NUMBER145.6696 AND BY THE FAA AIR AGENCY CERTIFICATE NUMBER PUAR453M APPROVED FOR EXPORT. THE ORIGIONAL EQUIP. MFG. DATA APPEARS ON THE I.D. PLATE IN THE LINES IDENTIFIED AS MODI/NO & ORIG. MFG. COMPLIES WITH SGA-1000 REV. 3 05/21/2020	AND NOT APPLICABLE	14 CFR 43.9 Return to Service X O	Certifies that unless otherwise specified in block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.	ed Signature:	Troad or Printed):	MIKE EVANS	5	onstitute 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		aircraft maintenance records must contain an installation certification may be flown.
140634 5. Work Order, Contract, or Invoice Number: WIO: 140634	11. Status/Work;	Overhauled	TO THAT WORK THE ND BY THE FAA AIR		Other regulation specified in Block 12	block 12, the work identified in accomplished in accordance part 43 and in respect to that service.	14c. Approval/Certificate No:	PU4R453M	14e. Date: (dd/mm/yyyy): 03/AUG/2021		rworthiness authority of the	rworthiness authority of the s)/propeller(s)/article(s) from the		an installation certification

Aerotech of Louisville Inc.

2209 Watterson Trail Louisville, KY 40299

FAA Certified Repair Station # PU4R453M

Prestolite SGA-1000 Alternator Maintenance Release

Model <u>24V 70A</u> Work Order No. <u>140634</u>				Part No. <u>Al</u> Technician	LU-8521 LCHRIS FAJARI		Serial No. H-0070439 Date 03/AUG/2021			
This	unit was d overhaul	isassembled, clear nanual specificati	ed, insp ons and	ected, reass I in accordar	embled, and tested accept the with current F.	l in accora A.A. regul	lance with cu ations conce	rrent manufacturer rning this unit.		
					arts Have Been arts Are Servicea		ed			
Qty.	Part#	Desc.		Part#	Desc.	Qty.	Part#	Desc.		
1	X-4612	DE BEARING					}			
1	X-4130	CE BEARING								
ì	MP504N	NEGATIVE DIO	E				2			
1	MP504P	POSITIVE DIODE			BAA IOC	OVE				
1	ALE1013AS	BRUSH SET			MAJUF	UVE	KHAUL			
			-							
								e 14		
			5相至275	Consultation of the	parts are used other th	an the origi	nal manufacture	er's		
1			- id 10 - 24	npliance	AD No.	Int.	Method of	Compliance		
A	D No.	int. Method	UI CUI	прпансе	AD NO.	III.	Memod of	Соприансе		
-										
#			Sa	wice Rulls	ting Complied	With				
			Se	vice Bulle	etins Complied	With				
A			Se	vice Bulle	etins Complied	With				
4 V			Se	vice Bulle	stins Complied	With				

This unit is approved for return to service

Signature	golin	c Evons	Date 03/AUG/2021	
	/ 1			

Aviation DataSource, Inc.

The Aviation DataBase DataBases updated November 22, 2072 as of Biweekiy 2022 24/-25

Manufacturer: Textron Lycoming TC No.: <u>1E4</u> Model: IO-540-AE1A5 S/N L-31601-48A Rec (Yes); Indicates a Recurring AD Number of ADs: 14 TROPIC AIRPOWER WO#1642

AD Number	PDF	Rec	Subject
2002-17-53 E	PDF	No	Superseded by 2002-19-03 *N/A
2002-19-03	PDF	No	Crankshaft failure
2003-14-03	PDF	Yes	Non-TC Holder - Crane/Lear Romec AN-Type rotary fuel pumps
2004-05-24	PDF	No	Crankshaft gear retaining bolts
2004-10-14	PDF	Yes	Prop Strike - crankshaft gear installation
2006-20-09	PDF	No	Superseded by 2012-19-01
2008-06-51 E	PDF	Yes	Superseded by 2008-08-14
2008-08-14	PDF	Yes	Superseded by <u>2009-02-03</u>
2008-14-07	PDF	Yes	Superseded by 2011-26-04
2009-02-03	PDF	Yes	Non-TC Holder- Precision Airmotive RSA-5 & RSA-10 series fuel injection servos
2011-26-04	PDF	Yes	Superseded by 2015-19-07
2012-19-01	PDF	No	Crankshafts
2015-19-07	PDF	Yes	Externally mounted fuel injector fuel lines
2017-16-11	PDF	4 1 pr . de	Connecting rod small end bushings
The Following AL	s appl	y to A	ccessories that could be installed on the IO-540-AE1A5 No. of ADs: 2
2005-12-06	PDF	Yes	Revised inspection intervals: magneto riveted & snap-ring impulse coupling assemblie
2007-04-19 R1			Superior Air Parts Cylinder Assembly removal *N/A

*N/A=NOT APPLICABLE PER ENGINE MODEL, S/N, P/N, INSPECTION/SB C/W OR DATE.
MARK YOUNG Admin. TROPIC AIRPOWER FAA CRS T7KR187Y

DATE November 23, 2022

www.tropicairpower.com

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Lycoming IO-540-AE1A5

AD#	Subject	Amdt #	Eff Date	Recurring
63-14-03	Oil Pump Drive Shaft	583	07/06/63	Yes*
66-20-04	Oil Filter Adapter Gasket	39-277	08/27/66	
75-08-09	Oil Pump Drive Shaft and Impeller	39-3013	08/18/77	
75-09-15	Bendix Fuel Injector Flow Divider Cover Gasket	39-2187	04/30/75	
78-23-10	Bendix RSA Series Fuel Injector Bellows Seal	39-3333	11/07/78	
79-04-05	Bendix RSA Series Fuel Injectors Diaphragm	39-3570	09/26/79	
81-18-04 R2	Superseded By 96-09-10			
91-14-22	Superseded By 04-10-14			
92-12-05	Piston Pin Failure	39-8265	07/10/92	
92-20-07	Superseded By 93-05-21			
93-02-05	Superseded By 02-26-01			
93-05-21	Superseded By 93-11-11			
93-11-11	Diaphragm Fuel Pumps Overhauled (by AAI) - Remove Affected Pump and Replace	39-8584	06/21/93	
96-09-10	Oil Pump Impeller Failure	39-9586	07/15/96	
96-23-03	High Pressure Fuel Pumps	39-9826	12/17/96	
97-01-03	Superseded By 97-15-11			
97-15-11	Piston Pin Failure	39-10085	08/12/97	
98-17-11	Crankshafts Installed by Nelson Balancing Service	39-10713	10/19/98	
98-18-12	Superseded By 03-14-03			
02-04-51	Superseded By 02-17-53			
02-17-53	Superseded By 02-19-03			
02-19-03	Crankshaft Failure	39-12883	09/20/02	
02-20-51	Superseded By 02-23-06			
02-23-06	Superseded By 04-05-24			
02-26-01	Superseded By 08-14-07			
3-14-03	Rotary Fuel Pump Leaks	39-13222	08/14/03	Yes*
04-05-24	Crankshaft Gear Retaining Bolts	39-13519	03/30/04	
04-10-14	Crankshaft Gear Retaining Bolt	39-13644	06/25/04	Yes
06-20-09	Superseded By 12-19-01			
7-04-19 R1	Superior Air Parts Cylinder Assemblies	39-15005	05/07/07	
8-08-14	Superseded By 09-02-03			
8-14-07	Superseded By 11-26-04			
9-02-03	RSA-5 or RSA-10 Series - Fuel Injection Servo Plug Gasket	39-15793	02/09/09	Yes*
1-15-10	Superseded By 12-03-06			
1-26-04	Superseded By 15-19-07			
2-03-06	AVStar Fuel Servo Diaphragm	39-16947	02/24/12	
2-19-01	Crankshaft Replacement	39-17196	10/24/12	
5-19-07	Fuel Injector Fuel Lines and Clamps	39-18269	11/03/15	Yes
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