Rebuilt Reciprocating Engine Certificate

This is to certify that the engine as described hereinafter has been REBUILT in accordance with the applicable Lycoming specifications. It has been determined airworthy to return to service and is in a condition for safe operation. All applicable Federal Aviation Administration Airworthiness Directives and Lycoming Service Publications have been complied with. All accessories as part of the type certificate are new or newly rebuilt. Refer to enclosed Form ET001 for applicable accessory part numbers and serial

numbers.

Serial Number RL-24694-40E

Engine Model O-540-J3A5D

Work Order CUR24694

Total Time 0.0

Form 2481 Rev 07/12

Production Certificate #3

Authorized Representative

652 Oliver Street Williamsport, PA 17701 U.S.A Lycoming Engines is a division of Avco Corporation

Engine

_	S/N: Date:	N616HT O-540-J3A5D RL-24694-40E 11 April 2013	KCAC. Kanaga Dity Aviation Center	Hobbs Time: 2224.7 Tach Time: 2006.1 Total Time: 0 Work Order: S-13-0001:	
— — — —	installed accesson and over 424914. Installed installed installed installed installed installed faccomplis	rebuilt engine O-540-J3A5D S/N RL-24694- es: Carburetor P/N 61C26048 S/N AV0197: hauled Magneto P/N 66E21580-70 S/N B-01 hew starter P/N ERZ-8011 S/N H-M101598. In new engine mounts P/N J-9613-12. hew bushing P/N 63900-119 for carb mixture hew oil quick drain valve P/N CCB-37000. hew engine preheater P/N EZ441A. Rapco overhauled vacuum pump P/N 211C0 hed all required operational and functional of at this Engine has been inspected in accord details are on file under the above work order	e arm eye bolt. C. S/N 152891. checks with satisfactory results. Ground performance rule ance with an Annual inspection and is determined to be ex.	oly with the inspection 21-00 with the following new //N 32B19549 S/N H-M101981 LYC PC3 under WO # MS-	nber
		Page Total Brought Forward	All Repair Data Must Bear	the Enders	
		Total to Date	Certificated Mechanic, and Certificate Number MUST	t bie Dotine and	

Model: 6	Engine N616HT D-540-J3A5D RL-24694-40A 18 July 2013	Kenede City Avietion Center	Hobbs Time: 2260.5 Tach Time: 2039.5 Total Time: 33.4 Work Order: S-13-00212
Aeroshell Adjusted in Accomplis	W100 mineral oil. nixture cable adaptor on carb fo shed all required operational and	d functional checks with satisfactory results. Global porterior	e run good, no leaks noted.
	hariend above was renaited	d and inspected in accordance with current Regulations of the Fe int details are on file under the above work order. Olathe KS 66062 (913) 782-0530 FAA Repair State	deral Aviation Administration and
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ENGINE LOG	Serial No.		_
-/	•		
	Tach Time:	2069.9	
KCAC	Total Time:	63.8	
—Aviation—	Work Order:	S-14-00035	
ising Piper Inspection Report P/N 230-811 form as a guide to	comply with the inspection re-	quirements	
with the following results: #1 76/80 #2 78/80 #3 72/80 #4 76/ en and inspected old filter, no unusual contaminants noted.		eroshell	
0 (S/N 32163 center, S/N 32165 aft position) with new flange	gaskets P/N 77611.	_	

	N616HT I: Q-540~J3A5	KCA			Tach Time; Total Time:	
	l: L-24694-40A e: 6 March 2014	—Aviat			Work Order:	S-14-00035
of FAR Perfon Chang 15W50 Installe	8 43 Appendix D. med cylinder compression ed engine oil and filter. (a) and new CH48103-1 filted and 2 new mufflers P/N 67	517-00 (S/N 32163 center, S/N 32165 aft po	78/80 #3 72 contaminates	2/80 #4 76/80 #5 76/80 nts noted. Serviced ei new flange gaskets P/	0 #6 76/80. ngine with 12 qts Aei	
According to the Accord	plished all required oper y that this Engine has be	27 Mar 2012, not applicable. HA-6 carb not ational and functional checks with satisfacto en inspected in accordance with an Annual i er the above work order.	y results. G	round performance ru	e in an airworthy cond	
According to the Accord	plished all required oper y that this Engine has be ent details are on file und	ational and functional checks with satisfacto en inspected in accordance with an Annual i	y results. G	round performance ru	e in an airworthy cond	
Accom Lectify Pertine	plished all required oper y that this Engine has be ent details are on file und	ational and functional checks with satisfactor en inspected in accordance with an Annual in er the above work order. Olathe KS 66062 (913	y results. G	round performance rund is determined to be	#AMYR171C	
Accom Lectify Pertine	iplished all required oper y that this Engine has be ent details are on file und	ational and functional checks with satisfactor en inspected in accordance with an Annual in er the above work order. Olathe KS 66062 (913) All I ard	y results. G nspection a) 782-0530 Repair Dat ficated M	round performance ru	#AMYR171C	

Engine

Date

Engine

N616HT

Model: 0-540-J3A5 S/N: L-24694-40A Date: 20 October 2014



Hobbs Time: 2334.9 Total Time: 2106.9

Total 124'. (60'5 Work Order: S-14-00315

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ber

Drained oil, removed filter, and inspected for contaminants, none noted. Installed new CH48103-1 filter. Serviced engine with 12 quarts of Aero Shell 15 / 50 oil and cleaned engine.

Accomplished all required operational and functional checks with satisfactory results. Ground performance run good, no leaks noted.

The Engine identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details are on file under the above work order.

Signed /

Olathe KS 66062 (913) 782-0530 FAA Repair Station #AMYR171C

Engine

N616HT Model: O-540-J3A5D S/N: RL-24694-40A Date: 02 March 2015

Hobbs Time: 2352.1 Tach Time: 2122.7 Total Time: 116.60 Work Order: S-15-00426

Complied with an Annual Inspection using Piper PA-28-236 AMM P/N 761-681 Ch. 5-21-00 form as a guide to comply with the inspection requirements of FAR 43 Appendix D.

Compression readings: #1 75/80 #2 78/80 #3 75/80 #4 75/80 #5 75/80 #6 75/80 Drained engine oil and removed oil filter and suction screen, inspected for contaminants, none noted. Installed new oil filter CH48103-1.

Serviced engine with 12 quarts of 15W50 Aeroshell oil.

Accomplished all required operational and functional checks with satisfactory results. Ground performance run good, no leaks noted.

I certify that this Engine has been inspected in accordance with an Annual inspection and is determined to be in an airworthy condition. Pertinent details are on file under the above work order.

Olathe KS 68062 (913) 782-0530 FAA Repair Station #AMYR171C

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Page Total

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N616HT Model: O-540-J3A5 S/N: L-24694-40A Date: 02 March 2016	KCAC. Kensee City Aveston Center	Hobbs Time: 2411.9 Tach: 2176.7 Total Time: 170.6 Work Order: S-16-00011	nse	
Complied with an Annual Inspection using of FAR 43 Appendix D. Performed cylinder compression test with Changed engine oil and filter. Cut open a 15W50 and new CH48103-1 filter. Accomplished all required operational and	Piper Inspection Report P/N 230-811 form as a guide to co the following results: #1 77/80 #2 76/80 #3 75/80 #4 79/80 nd inspected old filter, no unusual contaminants noted. Se I functional checks with satisfactory results. Ground perform	#5 78/80 #6 78/80. rviced engine with 12 qts Aerosheli nance run good, no leaks noted.		. -
1 certify that this Engine has been inspect Pertinent details are on file under the abo	ed in accordance with an Annual inspection and is determine work order. Olathe KS 66062 (913) 782-0530 FAA Repa	ir Station #AMYR171C		

All Repair Data Must Bear the Endorsement of a

Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.

Engine

;	del: S/N:	N616HT O-540-J3A5D L-24694-40A	KCAC	Hobbs Time: 2466.5 Total Time: 2228.3
D	ate:	06 March 2017	Kenevis Dity Avietion Chorae	Work Order: \$-17-000
Peri Cha 15W Insta Acce	formed anged V50 ar alled r complis	a Appendix D. d cylinder compression test with engine oil and filter. Cut open a nd new CH48103-1 filter. hew gaskets P/N 75906 on all 6 shed all required operational and	g Piper Inspection Report P/N 230-811 form as a guide to connit the following results: #1 76/80 #2 77/80 #3 76/80 #4 78/80 # and inspected old filter, no unusual contaminants noted. Servingine cylinder rocker covers. d functional checks with satisfactory results. Ground performanted in accordance with an Annual inspection and is determined.	5 77/80 #6 78/80, iced engine with 12 qts Aeroshell nce run good, no leaks noted.
Pert	tinent ned ∬	details are on filefunder the abov	ove work order.	a to be in an airworthy condition.
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Serial No.

	Engine	<u></u>		cense imber
_	N616HT		Hobbs Time: 2519.0 Tach Time: 2273.1	-
	O-540-J3A5D	KCAC	Total Time: 267.0	
	L-24694-40A 01 March 2018	Kenese City Avietion Center	Work Order: \$-18-00020	
Complied	with an Annual Inspection using P	iper Inspection Report P/N 230-811 form as a guide to	comply with the inspection requirements	-
of EAD A	2 Appendix D			
Performe	d cylinder compression test with the	e following results: #1 75/80 #2 78/80 #3 76/80 #4 77/8 t inspected old filter, no unusual contaminants noted. S	Serviced engine with 12 qts Aeroshell	
4.E) A/E/O no	od now CH48103-1 filter			
AD 2017.	-16-11 effective date 15 Aug 2017.	not applicable per para (c)(1) per Lycoming MSB 632	B table and per para (c)(2) engine was	
not repair	red or overhauled using affected pa	arts in table 2. No further action required.		
Adjusted	carburetor heat control cable for pr	roper operation of carb heat system.	AMM 761.681 Ch 74.22.00	
Removed	t, cleaned, gapped, and re-installed	d all engine lower spark plugs in accordance with Piper and 5 engine cylinder rocker covers, ref. Lycoming Manu	ial 60294-7. Sec. 6.	
Installed	new gaskets P/N 75905 on #2,5, at	unctional checks with satisfactory results. Ground perfo	rmance run good, no leaks noted.	
-				
- I certify to	hat this Engine has t/e en inspected	in accordance with an Annual inspection and is determ	nined to be in an airworthy condition.	
Pertinent	details are on file under the above	work order.		
t érmient	WI ALLY	Olathe KS 66062 (913) 782-0530 FAA Repa	air Station #AMYR171C	
-		Olatile 163 00002 (313) 102-0000 174 (10p)	mir	
Signed _	WAR AND	·		
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				EN	NGINE LO	G	Serial No.	
	Date	Tin	ne Min	REPAIRS - ADJUSTMENT	TS - SERVICE - REM	MARKS	Signature	License Number
	- [++	& D A	American Aviation LLC),	Lee's Su	E. Douglas Suite B Hanger mmit, MO 64064 52/5996 Fax 816/525/5997	
	- L			Tach	Hobbs	Engine T	Γ Engine SFR	
	_		Date 7/2018		2552,5	296.9	296.9	
_	_ R	temoved	l spark p	plugs and installed 12 new RI e A&P3162074	MM38E spark plugs	. Kan crigine ops ck. go		
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Serial No.

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Engine	/				License
N616HT			Hobbs Time:	2575.3	Number
Model: O-540-J4A5D	VON	 -	Total Time:	323.3	
S/N: L-24694-40A		_ .	Cycles:	0.40.00054	
Date: 13 March 2019	Karasa City Aviation C	enter	Work Order:	S-19-00056 S-19-00076	
amolied with an Annual Inspection	n using Piper Inspection Report P/N 230-811	form as a quide to comply with the	inspection rec		
FAR 43 Appendix D.	Today Tree mapagain Nepert 177 200 011	term de a gallee to comply that pro			
	st with the following results: #1 77/80 #2 78/8	0 #3 77/80 #4 77/80 #5 78/80 #6 7	7/80.		-
nanged engine oil and filter. Cut	open and inspected old filter, no unusual con-	taminants noted. Serviced engine	with 12 qts Ae	roshell	
W50 and new CH48103-1 filter.					
	be PN 763-496 and installed new probe PN 7	63-496 per Piper AMM 761-681, C	h. 71-60-00.		
	806 on all cylinder rocker covers.				
esealed oil filler pipe base at eng ecured clamps on oil drain back t					
	nal and functional checks with satisfactory res	sults. Ground performance run goo	d, no leaks no	ted.	
compliance all required operate	The area removed to the control of t	Julio Ground political de la companya de la company			
ertify that this Engine has been i	nspected in accordance with an Annual inspe	ction and is determined to be in an	airworthy con	dition.	
ertinent details/age on file under j					
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igned ////	Olathe KS 66062 (913) 782	2-0530 FAA Repair Station #AM	YR171C		
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ENGINE LOGBOOK ENTRY	·
Date: 7/6/2020 N616HT Make: Piper Model: PA28-236 S/N: 28-11043 TR: 2368.5 TTE 362.4 WO: 1269	License Number
Cylinder compression test: #1- 77/80, #2- 75/80, #3-73/80, #4-76/80, #5- 74/80, #6- 77/80. Changed oil and filter. Cut open old filter and examined for contamination. None noted. Added Aeroshell 15W50 oil. Pressurized exhaust system and checked for leaks and cracks. Checked and set mag timing. Cleaned and checked fuel primer nozzles. Checked air filter element. Cleaned, gapped, and tested spark plugs. Checked and lubed engine controls. Ran engine and checked for oil leaks and engine operationend I certify that this engine has been inspected in accordance with a 100 hour Inspection and is determined to be in an Airworthy condition Howard W. Siedlecki AP 2111293	
for:	
Waukegan Aviation Services, Inc Waukegan, IL	
847-336-6075	

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