74400A3 Jan 2018-



18A-SE-2

YEAR 20	RECORDING TACH	TODAY'S FLIGHT	TOTAL TIME IN	Description of Inspections, Tests, Repairs and Alteration Entries must be endorsed with Name, Rating and Certificate Number of
DATE	TIME		SERVICE	Technician or Repair Facility. (See back pages for other specific entries
			_	
	Ove	erhaul Re	eciprocating	g Engine Certificate
	This the	is to certify	that the engine	e as described hereinafter has been OVERHAULED in accordance with fications. It has been determined airworthy to return to service and is in
	a co	ondition for s	safe operation. Service Publicat	All applicable Federal Aviation Administration Airworthiness Directives tions have been complied with. All accessories as part of the type
	certi	tificate are n	new or newly reb numbers and se	built or newly overhauled. Refer to enclosed Form ET001 for applicable
	5			0 0
		rt Number rial Number	HENPL-739 L-3959-76T	1/200

O-320-H2AD

AR693408

5542

Form 2480 Rev 05/13

Engine Model

Work Order

Total Time

Repair Station EJ1R115K

Date

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

Authorized Representative

148	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
			N400.	Aerocare Tech LLC AS ENGINE LOG ENTRY 01/11/2018 TAGEL TIME: 0.0 TSPOH: 0.0
that con des	talled Factory this Engine hadition .This air tribed herein:	rcraft has	sN:L-39 led Lycominspected I ; been four	ing engine Model number O-320-H2HD S/N:L-3959-76T. I certify I.A.W an annual inspection and was determined to be in airworthy and airworthy for return to service with respect to the work Michael.M.Grant AP3016547IA

May 24 th , 201	8 N400AS	Serv Hobbs: 100.5	Flt Hobbs: 9098.0	d Alteration
Porformed 10	O Hr inspection	n in reference to FAR	Part 43 appendix "D".	specific entrie
Drained oil &	Cut filter No a	nomaly found. Draine	ed carburetor. Compressions	1000
76/77/75/76	over 80 nsi Ser	rviced sump with 6 at	s of Phillips 66 AW100 oil and	
installed new	Tompost AAA8	103-2 oil filter. Test r	un ops check good. I certify	
that this ongir	o has been ins	enected per 100 hour	inspection and is in airworthy	
condition.	ie nas been ms	specied per 100 man		
condition.				
This engine is	approved for r	eturn to service.		
	Chin On			
	Chy Os	mer		
A/P 3116726			1	

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terations Number of fic entries.)	TEAR 20 SATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
		Per Dra no ove Ter ha: Th	rformed 10 ained oil & o metal par ver 80 psi. S empest AA4 as been ins	00 Hr. inspects Cut filter. No reticles detects Serviced sum 48103-2 oil fispected per 1 is approved for Chis Control of the chis Chis Control of the chis Chis Chis Chis Chis Chis Chis Chis C	AS Serv Hobbs: 202.5 Action in reference to FAR Part 43 appendix "D". No anomaly found. Removed & cleaned finger screen— ted. Drained carburetor. Compressions 74/78/74/78 mp with 6 qts of Phillips 66 AW100 oil and installed new filter. Test run ops check good. I certify that this engine 100 hour inspection and is in airworthy condition. for return to service.

YEAR 20 Date	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alteration Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries)
		Perfo Drain no m over Temp has b This	ed oil & Curetal particle 80 psi. Servest AA4810 Deen inspecengine is ap	N400AS Serv Hobbs: 301.1 Ar. inspection in reference to FAR Part 43 appendix "D". It filter. No anomaly found. Removed & cleaned finger screen— Bes detected. Drained carburetor. Compressions 76/76/75/78 Briced sump with 6 qts of Phillips 66 AW100 oil and installed new 103-2 oil filter. Test run ops check good. I certify that this engine 104 the per 100 hour inspection and is in airworthy condition. 105 Deproved for return to service. 106 CALLARY 107 CALLARY 108 CALLARY 109 CALLARY 100 CALLARY 1

Performed 100 Hr. inspection with ref to FAR 43 appendix "D". Drained oil & Lut filter, No anomaly found. Drained carburetor. Compressions 79/79/79/69 over 80 psi. Serviced sump with 6 qts of Phillips 66 AW100 oil and installed new Tempest AA48103-2 oil filter. Test run no leaks detected, ops check good. I certify that this engine has been inspected per 100 hour inspection and is in airworthy condition. This engine is approved for return to service. Chin Omn Chris Osmer A/P 3116726 Aerocare Tech LLC N400AS ENGINE LOG ENTRY 01/22/2019 TSMOH: 417.1 ACTT:10874.8 SRV HBB: 417.1 Ly coming: O-320-H2HD SN:L-3959-76T Installed Factory Overhauled Lycoming engine Model number O-320-H2HD S/N:L-3959-76T. I certify that this Engine has been inspected I.A.W an annual inspection and was determined to be in airworthy multion .This aircraft has been found airworthy for return to service with respect to the work described herein: Michael.M.Grant AP3016547IA Authorized Signature:

Serv Hobbs: 400.8

12/30/18

N400AS

tion of Inspecti-

Aerocare Tech LLC

N400AS ENGINE LOG ENTRY 04/22/2019

SN:L-3959-76T Lycoming: O-320-H2HD

SRV HBB: 516.1

ACTT:10973.80

TSMOH: 516.1

Drained engine oil and Changed oil filter with new CH48103-2 filter. Serviced Engine with 6Qts Phillips AW100 oil. Cleaned gapped and tested all sparkplugs and reinstalled. Performed compression test: #1) 76/80 #2) 76/80 #3)70/80 #4)74/80.. I certify that this Engine has been inspected I.A.W an 100hr inspection and was determined to be in airworthy condition . This aircraft has been found airworthy for return to service with respect to the work described herein:

Authorized Signature:



Michael.M.Grant AP3016547

N400AS ENGINE LOG ENTRY 06/26/2019

			ACTT:11068.8	TSMOH: 611.1
	SN:L-3959-76T	SRV HBB: 611.1	ACTI.IIOO.G	
Lvc: O-320-H2AD	JIV.E 3300			

Drained engine oil and Changed oil filter with new CH48103-2 filter. Serviced Engine with 6Qts Phillips AW100 oil Cleaned, gapped and tested all spark plugs and reinstalled. Compression test: 1) 76/80 2)76/80 3)68/80 4)76/80. replaced induction air filter with new. I certify that this Engine has been inspected I.A.W an 100hr inspection and was determined to be in airworthy condition . This Engine has been found airworthy for return to service with respect to the work described herein:

Authorized Signature:

Michael.M.Grant AP3016547

	THE PERSON NAMED IN COLUMN TO PERSON NAMED I	Name, Rating and Certificate Number of See back pages for other specific entries.)
August 38, 20 Ingine Lycom	N400AS Serv Hobbs: 712.3 SMOH:712.3	
parinter detec	If it, inspection in reference to FAR Part 43 appendix "D". Drained in pressions 78/74/72/76 over 80 psi. Drained oil & cut filter — no metal field. Serviced sump with 6.5 qts Phillips 66 AW100 oil and installed in liter. Test run & no leaks detected, ops check good. I certify that this inspected per 100 hour inspection and is in airworthy condition.	
His angine is:	approved for return to service.	
HERR Markis	Donale	
Prince Pr	N400AS Serv Hobbs: 810.5 MINING Lycoming O-320-H2AD S/N: L-3959-76T MINING Lycoming Color Lycoming Color Lycoming Color Lycoming Color Lycoming Color Ly	Drained er — no metal installed no leaks

TACH	FLIGHT	TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alteration Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries
		2010	N400AS Serv Hobbs: 912.5 SMOH: 912.5
		Dec 4, 2019 Engine Lycom	ing O-320-H2AD S/N: L-3959-76T
		- no metal pa	0 Hr. inspection in reference to FAR Part 43 appendix "D". Drained of the impressions #1-70/#2-72/#3-65/#4-70 over 80 psi. Drained oil & cut filter over 80 psi. Drained oil & cut filte
		Samuel Wyso	approved for return to service.
		2809955 A/P	

ons r of ios.)	1000	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.
THE RESERVE TO SERVE THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON			Performed carburetor – no metal installed Authat this er condition.	100 Hr. insp Compression particles det A481103-2 on agine has been is approved	BOOAS Serv Hobbs: 982.9 BO-H2AD S/N: L-3959-76T Dection in reference to FAR Part 43 appendix "D". Drained ons #1-71/#2-71/#3-68/#4-73 over 80 psi. Drained oil & cut filter tected. Serviced sump with 6.5 qts Phillips 66 AW100 oil and il filter. Test run & no leaks detected, ops check good. I certify en inspected per 100 hour/Annual inspection and is in airworthy If or return to service.

100	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alteration Entries must be endorsed with Name, Rating and Certificate Number o Technician or Repair Facility. (See back pages for other specific entries
		Engin	e Lycoming	20 N400AS Serv Hobbs: 1058.8 SMOH: 1058.8 0-320-H2AD S/N: L-3959-76T
		carbu – no i	retor. Compi metal particle led AA48110 his engine ha	. inspection in reference to FAR Part 43 appendix "D". Drained ressions #1-72/#2-73/#3-69/#4-72 over 80 psi. Drained oil & cut filter es detected. Serviced sump with 6.5 qts Phillips 66 AW100 oil and 93-2 oil filter. Test run & no leaks detected, ops check good. I certify as been inspected per 100 hour inspection and is in airworthy
		Sami		See Isola .

YEAR 20 Date	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alteral Entries must be endorsed with Name, Rating and Certificate Number Technician or Repair Facility. (See back pages for other specific entries)
		Pericarl - ninst that col	formed 100 h buretor. Com o metal parti talled AA481 at this engine ndition.	20 N400AS Serv Hobbs: 1058.8 SMOH: 1058.8 g O-320-H2AD S/N: L-3959-76T Hr. inspection in reference to FAR Part 43 appendix "D". Drained in pressions #1-72/#2-73/#3-69/#4-72 over 80 psi. Drained oil & cut filter incless detected. Serviced sump with 6.5 qts Phillips 66 AW100 oil and 103-2 oil filter. Fest rum & no leaks detected, ops check good. I certify has been inspected per 100 hour/Annual inspection and is in airworthy approved for return to service.

PARK PLUGS ELEAN/GAP/TEST, REPLACE COPPER GASKETS. ATIONAL CHECK IS GOOD AND ALL WORK WAS PERFORMED IN ACCORDANCE WITH APPLIMANTENANCE MANUALS Details of work performed are on file with Florida Flight Maintenance	ECORDING ACH IME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Test Entries must be endorsed with Name, R Technician or Repair Facility. (See back	ating and Certificate Number of
May 27, 2020 VE SPARK PLUGS ELEAN/GAP/TEST, REPLACE COPPER GASKETS. A HONAL CHECK IS GOOD AND ALL WORK WAS PERFORMED IN ACCORDANCE WITH APPLIMAINTENANCE MANUALS Details of work performed are on file with Florida Flight Maintenance work order: 0116.				FFM FORMOR PLANT RANGERMANCE	ENGINE - page 1 of 1
ATIONAL CHECK IS GOOD AND ALL WORK WAS PERFORMED IN ACCORDANCE WITH APPLIMAINTENANCE MANUALS Details of work performed are on file with Florida Flight Maintenance work order: 0116.		Flo	rida Flight Mainter	nance 160 East Airport Ave Venice, FL 34285 9416001791	
	WE SPARK	PLUGS	LEAN/GAP	TEST, REPLACE COPPER GASKETS.	
	MAINTEI work order	CHECK IS NANCE MA : 0116.	GOOD AND ANUALS De	ALL WORK WAS PERFORMED IN ACCOR trails of work performed are on file with Florid	DANCE WITH APPLI- da Flight Maintenance
	MAINTEI work order	CHECK IS NANCE MA : 0116.	GOOD AND ANUALS De	ALL WORK WAS PERFORMED IN ACCOR trails of work performed are on file with Florid	DANCE WITH APPLI- da Flight Maintenance

DATE	TIME	reium	SERVICE	Technician or Repair Facility. (See back pages for other specific enter
				O N400AS Serv Hobbs: 1154.6 <u>SMOH:1154.6</u> ng O-320-H2AD S/N: L-3959-76T
		pa AA	buretor. Com rticles detecte 481103-2 oil	Hr. inspection in reference to FAR Part 43 appendix "D". Drained oppressions 76/74/78/77 over 80 psi. Drained oil & cut filter – no metal ed. Serviced sump with 6.5 qts Phillips 66 AW100 oil and installed filter. Test run & no leaks detected, ops check good. I certify that this
		Th	is engine is ap	n inspected per 100 hour inspection and is in airworthy condition. Soproved for return to service.
		A/	2809955	

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EAR 0 ATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alteration Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries)
			Performed 100 carburetor. Co particles detec AA481103-2 o engine has be	O Hr. inspection in reference to FAR Part 43 appendix "D". Drained ompressions 76/76/77/77 over 80 psi. Drained oil & cut filter – no metal cted. Serviced sump with 6.5 qts Phillips 66 AW100 oil and installed oil filter. Test run & no leaks detected, ops check good. I certify that this en inspected per 100 hour inspection and is in airworthy condition.
			A/P 2809955	

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of one)	100	HECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
		Performed 1 carburetor. particles det qts Phillips 6 detected, op inspection a	00 Hr. insp Compression ected. Clea 6 AW100 co is check go and is in airy sapproved	ection in reference 73/70/73, aned, gapped oil and installe	erence to FAR Part 43 appendix "D". Drained /70 over 80 psi. Drained oil & cut filter – no metal and rotated spark plugs. Serviced sump with 6.5 ed AA481103-2 oil filter. Test run & no leaks hat this engine has been inspected per 100 hour tion.

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YEAR 20 Date	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterat Entries must be endorsed with Name, Rating and Certificate Number Technician or Repair Facility. (See back pages for other specific ent
		Performance Performance partition qts P determinsper This	ormed 100 Hr uretor. Compr cles detected chillips 66 AW cted, ops chec ection and is in engine is appr	N400AS Serv Hobbs: 1456.0 SMOH:1456.0 O-320-H2AD S/N: L-3959-76T . inspection in reference to FAR Part 43 appendix "D". Drained ressions 68/71/73/74 over 80 psi. Drained oil & cut filter – no metal . Cleaned, gapped and rotated spark plugs. Serviced sump with 6.5 100 oil and installed AA481103-2 oil filter. Test run & no leaks ck good. I certify that this engine has been inspected per 100 hour in airworthy condition.

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RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of In Entries must be endo Technician or Repair	spections, Tests, Repai brsed with Name, Rating and (Facility. (<i>See</i> back pages for	Certificate Number of other specific entries.)
O-320 mm completed to mented inspecti more of the printing V management of the second more of the second mor	his date in on prograted the oil ictory 20 parkplug pastalled the magnetic data and the	n accordance am. In addit I and install W50+ oil to s. Replaced the propeller after MD80-04-03	ce with CFR 14, chapter of the completing all rouled a new CH48103 filter of the crankcase. Compress the crankshaft seal, (pnoto the crankshaft seal), torqued and safetied the welding cracks as required and complete the comple	1463.6 Hour Meter 1463.6 43, appendix D and the manufatine maintenance items, the for Opened the filter and found assion: #1-76, #2-78, #3-68, #4 SL13792), and the alternator mount bolts, and tensioned the deligible oil. Next application is due at the color of the	belt, he alternator belt. hese from muffler to at 1514 hr. Checked
Armesy					

Performed ANNUAL inspection in reference to FAR Part 43 appendix "D". Drained carburetor. Compressions 67/75/73/76 over 80 psi. Drained oil & cut filter – no metal particles detected. Cleaned, gapped and rotated spark plugs. Serviced sump with 6.5 ats Phillips 66 AW100 oil and installed AA481103-2 oil filter. Test run & no leaks detected, ops check good. ALL AD's C/W cycle 2022-10. I certify that this engine has been inspected per ANNUAL inspection and is in airworthy condition.			
Dean Markis 388479 IA			

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