

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
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REMANUFACTURED ZERO TIME ENGINE CERTIFICATE

This is to certify that the engine as described hereafter has been run-in and tested as prescribed by AVCO Lycoming Specifications and Federal Aviation Regulations. No further run-in after installation is required. All applicable Airworthiness Directives and factory Bulletins complied with at time of remanufacture.

Model 0-320-E2A Serial No. L-18266-27A

Date Shipped June 25, 19 69

Authorized representative *Wm. J. ...*

AVCO Lycoming Factory Service Department
Form No. 776-C

AVCO **LYCOMING DIVISION** - WILLIAMSPORT, PA. 17701

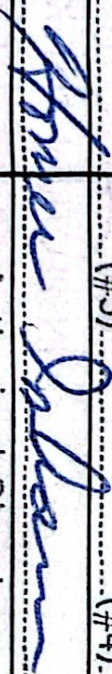
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				Aug. 31, 70 total time "O" Tach Reads 2168.0, This engine Serial # 1-18266-277B installed on Piper PA-28-140 serial # 28-22132 Registered N7568R
				WORK ORDER NO. <u>2470</u>
				DATE <u>Aug 31 70</u>
				SIGNED <u>Phil W. Morris</u>
				FAA APPROVED REPAIR
				STATION NO. 4915
				AERO ASSOCIATES
				JEFFCO AIRPORT
				ERDOWFIELD, COLO.

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I CERTIFY THAT THIS <u>100 hr.</u> INSPECTION HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>100 hr.</u> INSPECTION AND FOUND AIRWORTHY.				
DATE	<u>Aug. 31, 70</u>			DATE <u>Sept. 30, 70</u>
TOTAL TIME	<u>2168.07</u>			TOTAL TIME <u>94.89</u> <u>2262.96</u>
A. D. COMPLIANCE				
THRU	<u>70-19</u>	<u>42</u>	<u>70-16-5</u>	THRU <u>70-19</u> <u>42</u> <u>70-16-5</u>
<u>Philip W. Morris</u> PHILIP W. MORRIS CHIEF INSPECTOR AERO ASSOCIATES JEFFCO AIRPORT BROOMFIELD, COLO. FAA APPROVED REPAIR STATION				

No. 4915

No. 4915

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1-15-71	Tach	Time	2463.0	<p>I CERTIFY THIS <u>Engine</u> HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>100%</u> INSPECTION AND FOUND AIRWORTHY.</p> <p>(SIGNATURE) <u>A. El J</u> INSPECTION AUTHORIZATION A & P 1373845</p>
1-29-71	Tach	Time	2488.6	Rebuilt alternator installed. Voltage check OK. AP 70-16.5 <u>q/w</u> <u>A. El J</u> AP P 1373845

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		Jeffco Airport		CHANGED OIL
		Broomfield, Colorado	80020	ADD FILTER.
		FAA Repair Station 403-1		ADDED 8 QTS. AERO-
		Date 25 NOV 71	W.O. # 2199	SHELL 40W OIL.
		I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A.100000 INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.		
		Tach/Hour Meter 2853.66	T. Airframe SAME	
		T.T. S.O. Powerplant (s): (#1) 685-59	(#2) (3) (4)	
		<div> <div>  </div> <div> Authorized Signature </div> </div>		
		<div> <div> 941014909444 </div> <div> Certificate Number & Rating </div> </div>		

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				AIRCRAFTCO SERVICES, INC.
				Jetco Airport
				Broomfield, Colorado 80020
				FAA Repair Station 403-1
				Date <u>10-13-71</u> W.O. # <u>2308</u>
				I CERTIFY THIS <u>Engine</u> HAS
				BEEN INSPECTED IN ACCORDANCE WITH A <u>100 HR.</u>
				INSPECTION AND WAS DETERMINED TO BE IN
				AIRWORTHY CONDITION.
				Tach/Hour Meters <u>295407</u> T.T. Airframe <u>295407</u>
				T.T. S.O. Powerplant (s): (#1) <u>786, 00</u>
				(#2) _____ (#3) _____ (#4) _____
				<u>[Signature]</u>
				Authorized Signature
				<u>A&P 2034246</u>
				Certificate Number & Rating

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19 <u>94</u>				ALTERNATOR (AND V/R - Honda), 8 NEW SPARK PLUGS REM 40E, L+R MAGS (BOTH ^{EA.} NEW) COILS AND CAPACITORS (DESC. COIL 4893 P/N ES 10-357164-1/ DESC CAPACITOR 9241 P/N ES 10-51676) NEW IGNITION HARNES, VAN GARDEN AIR INDUCTION SYSTEM w/FILTER (FAB-4-3000P-320) (FAB 320, FILTERED) (AND KIT SPINNER) (SN 28884K) 7/16" SENSENICH PROP. 70CM 7516-0 179" PITCH - WITH 7/16" BOLTS, KEWIS CROSSWEAR TWEETLE SYSTEM, NEW SIGMA TECH VACUUM PUMP # 78139E, NEW VAN'S COOLING BAFFLE KIT # BAF-4-320, NEW GASOLATOR GASKETS AND "O" RING, CABIN AIR/HEAT SELECTOR BOX - VENT DL-01 CARB HEAT/CABIN HEAT MUFF - DL-02, CHG. CARB VENTURI- 46-FID/MIXTURE VALVE 242-514/GASKET 16-B75/NEW

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19 <u>9/4/95</u>				
FEB 95				METAL FLOAT, RESULT FUEL PUMP - NEW TACH/OLD
AUG 95	000.0	NEW TACH.		STRIPPED SEALS) OSHI TOTAL OVERHAUL OF BOTH MAGS
				EVERY THING CHANGED OUT (NEW) EVEN THE BEARINGS.
				← THE TWO CAPACITORS WERE CHANGED OUT EARLIER - SEE
				OPPOSITE PAGE.
MAR 95	20.3			1/4G 1 QTS OIL Aeroshell 15W-50 / FILTER CH 48110.
MAR 96	40.2			CLEANED + CH'D SPARK-PLUGS. 1 QTS Aeroshell 15W-50 / CH 48110
APR 97	98.0			CHG. OIL - 1 QTS. Aeroshell W/ 15W-50 SEMI SYNTHETIC
				+ CHAMPION CH 48110 FILTER
APR 98	129.2			CLEANED PLUGS / 1 QTS Aeroshell 15W-50 / CH 48110 - CLEANED
				WASCOATOR.

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2/14/00	170.1			Removed cylinders, cross hatched, lapped valves, replaced exhaust studs on #3, reinstalled using new pistons & pins, Superior PMA part # SL 75089 & SL 13444-1 Installed new chrome rings in #1 #3 #4. Installed ECI rings in #2 & cermacrome cylinder. Welded crack in R/H exhaust stack. Repaired throttle linkage. Run up & leak check satisfactory.
2/15/00	170.1			Long 475440034 I.A.
				CLEANED PUGS - OILS OIL - PULLIPS BREAK-IN, 70
				MINERAK - CITAMPION FUTURE 48110.

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16 FEB 00	1120.1			ENGINE NOW UPGRADED TO 160HP WITH STE FOR HIGHER COMPRESSION PISTONS.
				removed engine # 2504703
13 MAR 00	1120.0			INSTALLED A NEW LANDOLL HARMONIC DAMPER AND AEROBATIC ATTACH PLATE TO FLYWHEEL. SHOP 1705 REDBUD LN, NEWCASTLE ON, 73065 (405-392-3847) Hm/405-485-0239
				removed engine # 2504703/BUDED/REPAIRMAN
4 JUL 02				REMOVED HARMONIC DAMPER
7 JUL 02	200			OLK CHANGE AEROSEAL - FILTER 48110 + CLEANED AIR FILTER - CLEANED + SWAPPED SPARK PLUGS

Hangar 64 MX

TACH: 246.1

Van's RV-4

S/N 622ES

N622KS

TTAF: 246.1

Lycoming O-320-E2A

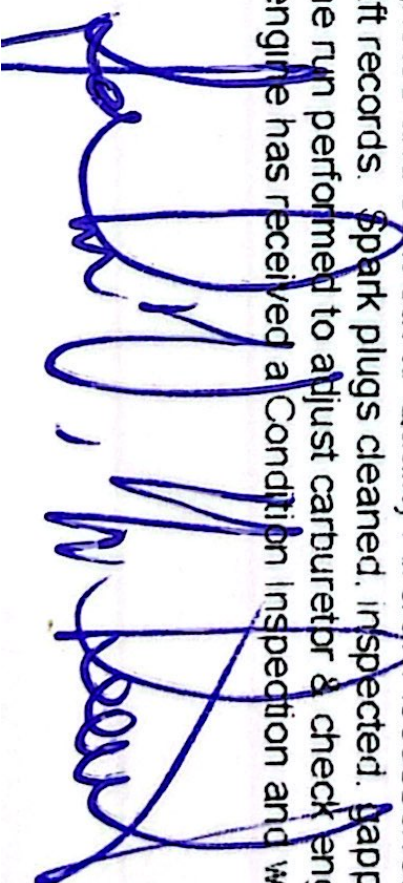
Engine

S/N L-18266-27A

22 July 2019

Engine inspected IAW scope of 14 CFR Part 43, Appendix D, using Lycoming data as a guide. Aircraft in long term storage before sale to new owner. AD compliance checked through ATP Hub, Rev 07/27/2019. Report provided to owner. **AD2004-10-14C** PCW during reman, due at next OH or in event of prop strike, whichever occurs first. **AD98-02-08** PCW by inspection - no defects, next due 06/30/2022. **AD2005-12-06** CW by replacement of impulse coupling during magneto OH, next due at Tach 746.1 hrs. Cylinder comps (cold) #1: 76/80, #2: 76/80, #3: 74/80, #4: 72/80. Engine oil drained & filter replaced. 8 qts AeroShell W100 Plus added. Replaced all valve cover gaskets, replaced alternator belt, replaced vacuum pump. Secured exhaust pipes with new shock brackets. Removed & replaced carburetor with OH'd unit - FAA Form 8130-3 placed in aircraft records. Removed both magnetos and sent out to Quality Aircraft Accessories for 500 hr check up - FAA Form 8130-3's placed in aircraft records. Spark plugs cleaned, inspected, gapped and reinstalled. Magnetos timed to engine & engine run performed to adjust carburetor & check engine control rigging. Ops check - Good. I certify that this engine has received a Condition Inspection and was found to be in a condition for safe operation.

John V. White A&P 3035433



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2019 2020				
11/15	288.8			COMPLETED OIL CHANGE USING 8 QTS OF AEROSHELL 100+ AND CHAMPION OIL FILTER # CH48110-1 AND AC 43-9C. ENGINE RUN UP NO LEAKS. MICHAEL BEAVERS ATP 2878849
				NEXT OIL CHANGE AT 323.8
4/3/20	328.8			COMPLETED OIL CHANGE WITH 8 QTS OF AEROSHELL 100+ & CHAMPION OIL FILTER # CH481001 AND AC43-9C ENGINE RUNUP - NO LEAKS DETECTED MICHAEL BEAVERS ATP 2878849
				NEXT CHANGE @ 353.8

Van's RV-4
S/N 622ES

Lycoming O-320-E2A
S/N L-18266-27A

20 July 2020

Hangar 64 MX

N622KS
Engine

TACH: 351.9
TTAF: 351.9

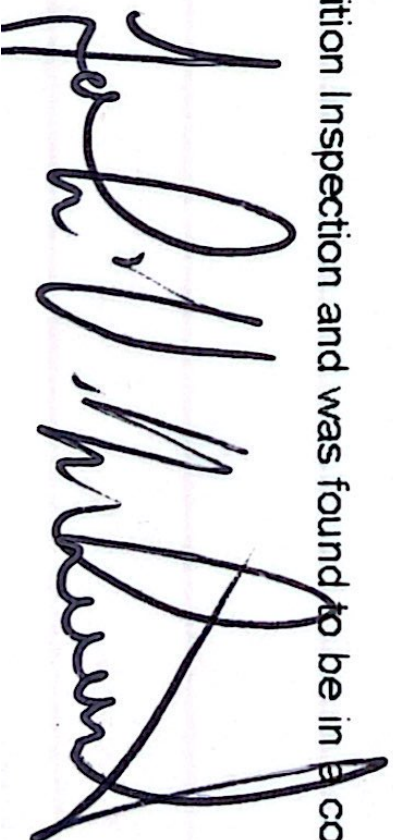
Engine inspected IAW scope of 14 CFR Part 43, Appendix D, using Lycoming data as a guide. AD compliance checked through ATP Hub, Rev 07/20/2020 & report provided to owner.

AD2004-10-14C PCW during reman, due at next OH or in event of prop strike, whichever occurs first. **AD98-02-08** PCW by inspection - no defects, next due 06/30/2022. **AD2005-12-06** PCW by magneto OH, next due at Tach 746.1 hrs. Cylinder compressions (cold) **#1**: 72/80, **#2**: 79/80, **#3**: 68/80, **#4**: 68/80. Engine oil drained & filter replaced, 8 qts AeroShell W100 Plus added.

Replaced spark plugs with new Tempest UREM-40Es. Removed single CHT probe on #3 cylinder & installed new sensors on #3 & #4. Connected to new dual CHT gauge. Magneto timing checked & adjusted. Fuel strainer opened & cleaned.

I certify that this engine has received a Condition Inspection and was found to be in a condition for safe operation.

John V. White, A&P 3035433



N622KS

RV-4

S/N L-18266-27A

DATE 09/23/2020

TACH TIME :369.4

AIRFRAME

Removed and replaced starter s/n off unknown s/n on H-T080323. Work was accomplished per lycoming service manual ops cks good.



THOMAS ANDERSON 27408012 A&P

COMPLETED OIL CHANGE WITH 6QTS OF PHILLIPS


+ 9.6OZ CAMGUARD + OIL FILTER TEMPEST RA4810-2

ENGINE RUNUP - NO LEAKS DETECTED

NEXT CHANGE @ 418.3

Leann
CPL 4C

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12/06/20	418.9			COMPLETED OIL CHANGE WITH 6QTS OF PHILLIPS XC 20W50
				+9.602 CAMGUARD + OIL FILTER TEMPEST AA4810-2 1RW AC43-9C
				ENGINE RUNUP - NO LEAKS DETECTED. NEXT CHANGE @ 443.9.
				Leeward Inrgangy CPL 4051739
03/06/21	448.3			COMPLETED OIL CHANGE WITH 6QTS OF PHILLIPS XC 20W50
				+9.602 CAMGUARD + OIL FILTER TEMPEST AA4810-2 1RW AC43-9C
				ENGINE RUNUP - NO LEAKS DETECTED. NEXT CHANGE @ 473.3.
				Leeward Inrgangy CPL 4051739
06/19/21	481.8			COMPLETED OIL CHANGE WITH 6QTS OF PHILLIPS XC 20W50
				+9.602 CAMGUARD + OIL FILTER TEMPEST AA4810-2 1RW AC43-9C
				ENGINE RUNUP - NO LEAKS DETECTED. NEXT CHANGE @ 506.8
				Leeward Inrgangy CPL 4051739

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	07/22/2021		Tach Time-0501.1 Total Time in service- 1404.9	Conditional inspection completed. Compression test #1- 74, #2- 79, #3- 73, & #4- 73. Cleaned and regapped all plugs. Installed new spark plug in #4 top position. Cleaned, oiled and reinstalled air filter element. I certify that this engine has been inspected IAW a Conditional inspection and was found to be in airworthy condition.
				Richard B Thorne  A&P/IA 2749268
08/21/21	515.0			COMPLETED OIL CHANGE WITH 6QTS OF PHILLIPS XC 20W50
				+9.60Z CANGUARD + OIL FILTER TEMPEST RA 48110-2 IAW RC43-9C
				ENGINE RUNUP - NO LEAKS DETECTED. NEXT CHANGE @ 540.0
				Leeward Ingress CPL 4051739

Van's RV-4

S/N 622ES

1446.2

Lycoming O-320-E2A

S/N L-18266-27A

April 28 2022

N622KS

Engine

TACH 542.4

Total time in service

Condition Inspection completed. Compression test #1-76, #2-78, #3-76, #4-78. Cleaned and checked all plugs. Cleaned, oiled and reinstalled air filter element.

I certify that this engine been inspected IAW a Conditional Inspection and was found to be in a condition for safe operation.

Brent Onstott A&P Pending



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18 Sep	553.3		1457.1	Removed oil and filter. Cut and inspected filter. No abnormalities noted. Installed new Tempstat 110 Filter and serviced w/ 6 quarts deroshell 71100 Plus. Safety wire filter, run up & checked for leaks; none noted. BK Johnson JPH MD PPL# 4315152
30 Mar 23	581.3		1485.1	Removed oil & filter. Cut & inspected filter. High level of carbon deposits and one ferrous particle plate noted. Installed new Tempstat 110 filter & serviced w/ 6 quarts deroshell 71100 Plus. Safety wire filter, run up & checked for leaks; none noted. BK Johnson JPH MD PPL# 4315152

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7/13/23	584.7		14885	<p>Inspected Engine in accordance with FAR 43 Appendix D. took compression - 71, 69, 73, 76. Performed borescope inspection of cylinders. Cleaned, gapped, and rotated sparkplugs. Checked mag timing. Replaced alternator with plane owner.</p> <p>I certify that this engine has been inspected in accordance with the scope and detail of FAR 43 Appendix D and found to be in a condition for safe operation.</p> <p><i>[Signature]</i> AIP 2846093 IF</p>

