Engine Record General Info	rmation	
Manufacturer LYCON/N	6 Model YIO -	360-M1B
Serial <u>L-34338-4</u>	51 EType Certificate	
This engine is currently installe	ed in aircraft: RV7A N4	59L/N1359L
Minimum Octane Fuel	Oil Grade Summer	
Magneto Time	Point Setting	Winter Firing Order
Spark Plug Gap	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	
Manufacturer's Recommended (Overhaul athours	
Manufacturer's Recommended (Overhaul at hours	

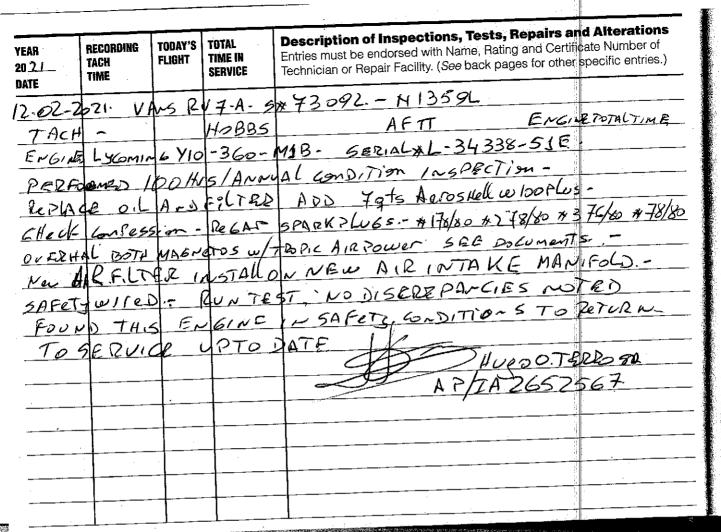
YEAR 20 Date	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alter Entries must be endorsed with Name, Rating and Certificate Num Technician or Repair Facility. (See back pages for other specific	nber of entries.)
Dullotin DC	177 Complete	A incoactio	ik of fuel nozzie	Lycoming Service Instruction 1414B and Allied Bendix Aerospace Service lines and clamps referencing A-D 2015-19-07, Effective Date 1 /03/2015,	(e) a s
(ii), Textror	Lycoming MS	342G inc	uding Supplem	ient No.1, dated 8/29/2013 and Supplement No. 2, dated 1/23/2014. Comp to this time. This A-D is recurring and Re-Inspection of lines and clamps is	Detec
required ev	ery 110 hours	IS after e	igine overhaul	or any time maintenance is performed where any clamp or nut on a ruel inje	≇ #**
I certify the	t this aircraft e in safe conditi	hgine has l	been inspected	in accordance with the scope and detail of FAR Part 43 Appendix D. and v	vas
12/15/2023	Roger E. Smit	10		A & P 3442201	
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RECORDING YEAR TODAY'S TOTAL. **Description of Inspections, Tests, Repairs and Alterations** TACH FLIGHT TIME IN 20 Entries must be endorsed with Name, Rating and Certificate Number of TIME **SERVICE** Technician or Repair Facility. (See back pages for other specific entries.) DATE Date: 12/23/2022; Aircraft N1359L; Type: Vans RV-7A; Hobbs: 638.00; Tach: 20.72; Total Time: 638.00; Engine - Type: Lycoming YIO-360-M1B, S/N: L-34388-51E, Time: 638.00

Completed conformity inspection check list on this engine. Performed compression test while the engine was not and the compression readings were as follows: #1 75/80 #2 73/60 #3 72/80 #4 73/80. This work performed using calibrated compression compression readings were as follows: #1 75/80 #2 73/60 #3 72/80 #4 73/80. This work performed using calibrated compression compression readings were as follows: #1 75/80 #2 73/60 #3 72/80 #4 73/80. This work performed using calibrated compression compression compression readings were as follows: #1 75/80 #2 73/60 #3 72/80 #4 73/80. This work performed using calibrated compression compre compression readings were as follows: #1 /5/80 #2 /3/80 #3 /2/80 #4 /3/80. This work performed using calibrated compression testing equipment with reference to current Lycoming printed service information including but not limited to; Lycoming Service Instruction No. 1191A and AC 43.13-18 Chapter & Section 1, Paragraph 8-14, (a)(1, 2), (b)(1,2,3,4) & (5)(a Thru.)). Drained not printed in the engine. Removed the oil filter; cut open and found no metal contamination in the element. Installed, torqued and safetied a new oil filter P/N AA48110-2 on the engine. Filled the engine with Aeroshell W100-50WT Plus oil. Test ran the engine and found no cil leakage evident. This dil change completed with reference to current Lycoming and Home built (RV-7A) published service information including but not limited to the Lycoming Direct Drive Overhaul Manual #60294-7-14 and Lycoming Mandatory Service. Bulletin No. 480F. This oil filter was installed in with reference to Tempest instructions printed on the filter can. Removed the safety wire from the loose dip stick tube and tightened the tube. Safetied the tube in place with safety wire. Cleaned and installed the pin and spring in the bottom # ignition lead. Adjusted the engine to magneto timing on both magnetos with reference to the timing specified on the engine data plate. Cleaked the magnetos for proper operation and oil leakage during the engine run up. Found that both mags function normally and there is no oil leakage evident at this time.

I certify that this aircraft engine has been inspected in accordance with the scope and detail of FAR Part 43 Appendix D. and was found to be in safe condition for flight. 12/23/2022 Roger E. Smith A & P 3442201 er Aircraft, Inc Date: 12/15/2023; Aircraft: N1359L; Type: Vans RV-74; Hobbs: 650.10; Tach: 20.72; Total Time: 650.10; Engine Type: Lycoming YIO-360-M1H, S/N: L-34338 51E, Time: 650.10 Completed Annual Conditional Inspection check list or this engine. Performed compression test while the engine was hot and the compression readings were as follows: #1 77/80 #2 74/80 #3 77/80 #4 73/80. Drained oil and removed the oil filter cut open and found no metal contamination in the element. Installed, torqued and safetied a new oil filter P/N AA48110-2 on the engine. Filled the engine with X/C20W-50vt oil. Test ran the engine and found no oil leakage evident. Repositioned and secured the Tains oil heater wiring harness to stor contact between the harness and the propeller pitch control oil line. Inspected the oil line and could find find no mark on the line in the area of the wire contact. Torqued the nuts securing both magnetos to the engine. Inspected for oil seepage after test run and no seepage was evident. Removed all of the fuel nozzles from the engine and cleaned by soaking in Hoppe's No. 9 with a rinse in sonic bath machine. Inspected and installed the cleaned nozzles in the engine torquing the nozzles to 60 pound inches. Torqued the B Nut of fuel nozzle lines to 20-25 pound inches. Ran the electric fuel pump to inspect for fuel leakage from nozzle lines. No leakage evident at this time. This work completed with reference to current published. Lycoming and Allied Bendix service information including but not limited to the following information; Lycoming Direct Drive Overhaul Manual



YEAR 20___

DATE Date: YIO-3 Comp comp testine Instru out of new o oil lea inform Bulleti wire fr and sp specifi both m I certifi found f 12/23/2

Date: 12 YIO-360 Complete compres found no

heater wifind find find find find find find oil seepa Hoppe's 60 pound leakage I Allied Be

the engir

ons of ies.)	and cut of servo screen	O4/2021 ed a 100 hour ed, gapped, an pen oil filter to i	nspect, foun nd oiled air i	Entries must be end Technician or Repai	r Facility. (See back pressions checked I oil and changed rith 7 quarts Phillip.	ating and Certificat pages for other spens states; #1 78, #2 78, # filter, checked of s 20/50 oil, checked	e Number of ecific entries.) 3 78, #4
					R. Richn), () (Chmonz 10nd A&P4674	15747
	2/19/2021			Replaced VI	o Oil Pressu	- h	
	<u>C</u>			7 2 8 2			
	$\label{eq:constraint} \begin{split} & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & $					10 mg (2000) 10 mg (2000) 10 mg (2000)	

D Ate	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of In Entries must be endo Technician or Repair				
-	R & D Am	erican A	viation LLC		2751 NE Dou Lee's Summit, Ph. 816/525/599	MO 64064	- 1	-
_	12/18/2019		Tach 365.98	Hobbs	Engine TT		gine TSN	
		<u> </u>	303.98	505.2	505.2		505.2	
sate spar Pres Lubr Rein noter filter scope 12/18	tied. Checked cok plugs, cleaned, sure test exhaust ricated and inspessalled fuel inject. Next due 615. Ran engine che and detail of A 8/2019.	Oilchek sa nd checked impressions gapped, a system for ected engin ctors. C/W 2 Hobbs o ecked for le ppendix "I	ample provided for metals, not significant for metals, not significant for metals, not significant for metals, none in controls, characteristic for metals from the controls for 12/2020 annuals from note for of 14 CFR	oming YIO-360-M1B Solution one noted. Installed new C2. 78/80, #3. 79/80, #4. 76 cocked ok. Reinstalled spar noted. Inspected engine helecked ok. Removed, clear (11/03/2015) External fitted. Removed, cleaned Ed. I certify that this engin part 43 and has been four	e with 7 Qts. of Phillip CH48110-1 oil filter, to 5/80. Checked mag tim k plugs with new gast oses, lines, clamps and ned, and inspected fuc- ted injector lines per 1 \$\tilde{L}\$L	orqued to 15 uing, found kets P/N M I mounts, al el injectors, MSB 342G, and re-oiled	ok. Removed 674 (8 each). 1 checked ok. checked ok. no defected	
	III L. White A&i	P3162074	Hech I	K 117/10		3		
	ard L. White A&	P3162074	Kulul	1 h who	*** · .			•
, Adone	ard L. White A&	P3162074	Kuful	K. Wife		TO THE PARTY OF TH		-
Adding	ard L. White A&	P3162074	Kuful	K. wple	***	TO THE REAL PROPERTY OF THE PR		
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	R & D Am	erican Aviation LLC	/.	2751 NE Dougla Lee's Summit, M Ph. 816/525/5996	
	Date	Tach	Hobbs	Engine TT	Engine TSN
	01/01/2019	338.56	462.6	462.6	462.6
	oil filter, cut apart, a safetied. Checked co spark plugs, cleaned Pressure test exhaust Lubricated and insp Reinstalled fuel inje noted. Next due 572. Ran engine checked	nd checked for metals, no impressions #1. 76/80, #2, gapped, and tested, che system for cracks, none ected engine controls, ch ctors. C/W AD 15-19-07.6 Hobbs or 2020 annual. for leaks none noted. I ce	one noted. Installed new 2. 75/80, #3. 77/80, #4. 7 cked ok. Reinstalled spanoted. Inspected engine tecked ok. Removed, clear (11/03/2015) External Removed, cleaned K&P ertify that this engine has ta 43 and has been found	ne with 7 Qts. of Phillips CH48110-1 oil filter, toro 75/80. Checked mag timin ark plugs with new gaske hoses, lines, clamps and neaned, and inspected fuel fuel injector lines per M N engine air filter and re- s been inspected on 01/01, d to be in a condition for	gued to 192 in. lbs. ar g, found ok. Remove ts P/N M674 (8 each nounts, all checked of injectors, checked of SB 342G, no defected itled. Reinstalled filted (2019 I/A/W the score
			// // -/ -//	14	
•	Richard L. White A&	2P3162074 Knefet	LWHE		
	Richard L. White A&	2P3162074 Kna feet	LWA		
	Richard L. White A&	2P3162074 Nue feet	LWHE		
	Richard L. White A&	2P3162074 Kna feel	LWA		
	Richard L. White A&	2P3162074 Nue ful	LWA		7
	Richard L. White A&	2P3162074 Kno feet	L.White		;
	Richard L. White A&	2P3162074 Nue ful	LWA	And the second of the second o	
	Richard L. White A&	2P3162074 Kna feel	LWhile		
	Richard L. White A&	2P3162074 Nue ful	1 L. While		
	Richard L. White A&	2P3162074 Nue ful	1 L. While		
	Richard L. White A&	2P3162074 Nue feel	1 L. While		
	Richard L. White A&	2P3162074 Nue feel	1 L. While		
	Richard L. White A&	2P3162074 Number	L. While		

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YEAR RECORDING TODAY'S TOTAL **Description of Inspections, Tests, Repairs and Alterations** YEAR 20_ **FLIGHT** TIME IN TACH Entries must be endorsed with Name, Rating and Certificate Number of 20. TIME SERVICE DATE Technician or Repair Facility. (See back pages for other specific entries.) DATE R & D American Aviation LLC. 2751 NE Douglas Suite B Hanger J Lee's Summit, MO 64064 Ph. 816/525/5996 Fax 816/525/5997 Date Tach Hobbs Engine TT Engine TSN 12/29/2017 323.27 436.9 436.9 436.9 N1359L Lycoming YIO-360-M1B S/N L-34338-51E Removed intermittent starter for repair. Reinstalled repaired starter ops ck good. Richard L. White A&P3162074 R & D American Aviation LLC. 2751 NE Douglas Suite B Hanger J Lee's Summit, MO 64064 Ph. 816/525/5996 Fax 816/525/5997 Date Tach Hobbs Engine TT Engine TSN 04/25/2018 327.93 444.4 444.4 444.4 N1359L Lycoming YIO-360-M1B S/N L-34338-51E Drained oil, tool US Venture oil sample owner provided, service engine with 7 Qts. of Phillips XC 20W/50, Removed oil filter, cut apart, and checked for metals, none noted. Installed new CH48110-1 oil filter, torqued to 192 in. lbs. and safetied. Lubed all slip joints with mouse milk. Ran engine checked for leaks none noted. Richard L. White A&P3162074

20 Date	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Entries must be endor	sed with Name. Rating	epairs and Alteratio and Certificate Number of for other specific entries
	R&DA	nerican i	Aviation LL	C.	2751 NE Dougla Lee's Summit, M Ph. 816/525/5996	Suite B Hanger J 0 64064
	Date		Tach	Hobbs	Engine TT	Engine TSN
	11/12/2017		320.71	433.3	433.3	433.3
	Checked compression mag found ok. Regaskets P/N M674 Pressure test exhau Lubricated and installed fuel injuncted. Next due 54	ions #1. 75. moved spa (8 each). R st system fi pected engiectors. C/V 3.3 Hobbs 1/12/2017	rk plugs, clea emoved rocke or cracks, none ine controls, c V AD 15-19-(or 2018 annua	ner. service engine with 7 pd. Installed new CH48110, #3. 75/80, #4. 75/80. Che ned, gapped, and tested, at cover cleaned and install e noted. Inspected engine behecked ok. Removed, clean (11/03/2015) External ful. Ran engine checked for pe and detail of Appendix (1017).	-1 oil filter, torqued to 1 cked mag timing, adjuste checked ok. Reinstalled ed new Real gaskets P/N coses, lines, clamps and raned, and inspected fuel tuel injector lines per Market properties.	92 in. lbs. and safetied. d right mag to 25° left spark plugs with new RG-75906-SP (4 ea.): nounts, all checked ok. injectors, checked ok. SB 342G, no defected
A Company of the		A Secretary of the second		Tall the state of		

tions er of tries.)

1	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Ins Entries must be endor Technician or Repair F	sed with Name, Rating		per of	
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R & D American Aviation LLC. 2751 NE Douglas Suite B Hanger J Lee's Summit, MO 64064 Ph. 816/525/5996 Fax 816/525/5997								
	Date Tach		Hobbs	Engine TT	Engine TSN			
05	5/25/2017		301.83	403.7`	403.7	403.7	<u> </u>	
none ne	oted. Installe	engine w	ith 7 Qts. of Pl 148110-1 oil fil leaks none not		ved oil filter, cut apart,	and checked for metals, Il slip joints with mouse		
Richard	d L. White A	&P316207	14 Kufu	1 t-allete		8 3 5		
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YEAR 20 DATE	_	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Entries must be e	ndorsed w	ith Name, Ratin	Repairs and Alter g and Certificate Nun ges for other specific
		R&DA	merican	Aviation L	LC.		Lee's Summit,	glas Suite B Hanger J MO 64064 96 Fax 816/525/5997
		Date		Tach	Hobbs		Engine TT	Engine TSN
	<u> </u>	10/03/2016		288.95	384.7		384.7	384.7
	non #2. che not che (11 Ran and	ne noted. Insta 76/80, #3. 76 cked ok. Reims ed. Inspected cked ok. Rem /03/2015) Ext in engine check idetail of Ap	lled new Cl 5/80, #4. 77 stalled sparl engine hos oved, clean ernal fuel i ced for leak pendix "D'	H48110-1 oil 1/80. Checked k plugs with n es, lines, clan led, and inspedinjector lines is none noted." of 14 CFR	filter, torqued to 192 in mag timing, found of new gaskets P/N M674 mps and mounts, all cited fuel injectors, che per MSB 342G, no de I certify that this engingent 43 and has been	in. lbs. and k. Removed (8 each). Properties hecked ok. Rogeries efected notes inc has been	safetied. Checked spark plugs, cle ressure test exhau Lubricated and it cinstalled fuel inj d. Next due 494 t inspected on 10	t, and checked for met d compressions #1. 78/ caned, gapped, and test ast system for cracks, no inspected engine contro- ectors. C/W AD 15-19 .7 Hobbs or 2017 anno 1/03/2016 I/A/W the so in for safe flight this c
	Ric	hard L. White	A&P31620	074 Kup	1 Lapl	<u></u>		
	Ric	hard L. White	A&P31620	074 Kup	l Lwpb			
	Ric	hard L. White	A&P31620	074 Kup	I Laplo	÷		
	Ric	hard L. White	A&P31620	074 Kup	l Lwpb			
	Ric	hard L. White	A&P31620	074 Kap	I Lapl			

	- 4			- Alta-otions
	RECORDING TACK HOWS	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.)
DATE 11 - 11		<u> </u>		Chancel oil and filter serviced with
11-3003	, <u> </u>			Tate of Philips XC 20W-50 and a CH 48110-1 Filter, Ho metal was found in old Pilter.
				la la con analysis.
				Engine run-up for least check. Hone found. Engine run-up for least check. Hone found. Kenneth P Stremming 313449761
				Changed oil and filter, serviced with
05-25-16	362.0			The state of the s
				CH 48110-1 Filter, No metal was found in Old filter. Oil sample was sub-
				mitted othanalysis. Engine was run
				for leak check. Hone found Idenneth P. Stremming 313-44-9261
<u> </u>				IN ENVERN 1. 21 =
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