CHAbria - 2518Z

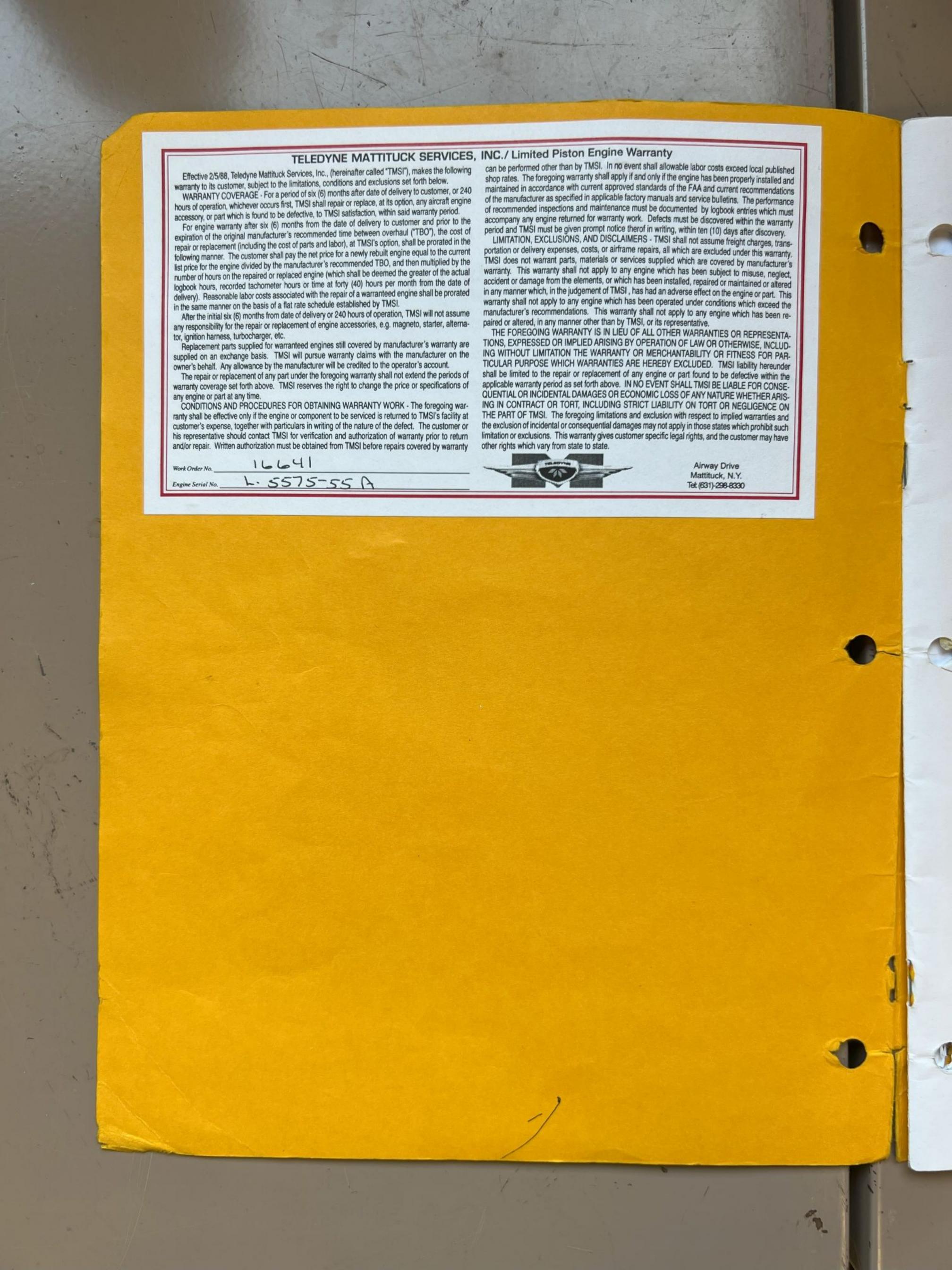
## ENGINE MAINTENANCE RECORDS



1-800-624-6680

(IN NY 631-298-8330

TELEDYNE MATTITUCK SERVICES, INC.
410 AIRWAY DRIVE, MATTITUCK, NY 11952



## ENGINE MAINTENANCE RECORDS

Log No. # 2

Aircraft Registration No. N2518Z
Engine Manufacturer Lycoming
Model <u>AE10-320-E2B</u>
Serial No. <u>L-5575-55A</u>
Date installed on aircraft $9-16-2001$
Time Between Overhauls (TBO)Hours
If used on multi-engine aircraft:
☐ Right ☐ Left
☐ Front ☐ Rear

This is to certify that the engine described hereafter has been overhauled to manufacturer's new part limits by Teledyne Mattituck Services, Inc. Engine disassembled, cleaned, and inspected in accordance with manufacturer's instructions. All steel parts magnafluxed. All Applicable Airworthiness Directives are in compliance. The engine, with respect to the work performed is airworthy and approved for return to service. A description of these repairs is on file at this agency under: JOB NO. 16641 DATED 14 Jone 01 MFG. Lycoming MODEL A = 10-320- 22B Serial No. L. 5575-55 A Time in svc. TELEDYNE MATTITUCK SERVICES, INC. FAA REPAIR STATION # TIOR507Y AIRWAY DRIVE MATTITUCK NY /11952 TELEDYNE Authorized Signature were of overhaul The accessories listed below were overhauled by Teledyne The accessories listed below were New or Overhauled as Mattituck Services, Inc. in accordance with applicable indicated in the status column and installed on the engine. manufacturer's service and parts manuals and installed on Overhaul records for these overhauled accessories are in the engine: an envelope in the back of this logbook. Part No. Item Serial No. Item Part No. Serial No. Status STAFTER MZ.4204 7061092 Lw.15473 H MAUST. CALSE 2524232.2 548L 4370 01030228 4371 01031416 TELEDYNE MATTITUCK SERVICES, INC. FAA REPAIR STATION TIOR507Y W.O. NO. 16641 DATE 14 Some 01 Authorized Signature SUB-TOTALS this page 1378 TOTALS—Carry forward to next page

				Page No
DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
		Ø	1378	TOTALS brought forward from previous page
	T.T. PROP	Ø	COLLEGE SE	THE RESIDENCE OF THE PARTY OF T
9-16-01	1378	Ø	1378	INSTALL OVERHAULED MATTITUCK EnginE
	A Col			INSTALL OVERHAULED MATTITUCK EnginE ON NEW LORD MOUNTS PN# J6230-1
	705	100	was poo	INSTALL NEW FUEL AND OIL LINES.
	34			Install AIRWOLF REMOTE OIL FILTER
T.	all p	A SHAR	11111111	PER STC # SAMBODTYNY USING
70680				AlruoLF PN AFC - KDD7 MM SCHULZE  ALRUOLF PN AFC - KDD7 MP 277560284
10-2-01	1378	Ø	1378	INSTALL NEW OIL FILTER (CH 48109)
2000	200	and the	10. 2013	ADD 7 QUARTS OF PHILLIPS STRAIGT MINERAL OIL # 277560284
				MINERAL OIL # 277560284
11-08-01	1401	23	1401	INSTALL NEW OIL FILTER (CH 48/09)
				ADD 7 QUARTS OF EXXON ELITE
				SYNTHETIC OIL. CUT & INSPECT OLD
				OIL FILTER. NO VISIBLE SIGNOFMETAL AFP WISCH412E 277560284
7 11 22				
3-16-02	1496	68	1446	RiR OIL FILTER (CH48109) ADD 7
			<212 S	QUARTS EXXON ELITE SYNTHETIC OIL
				CUT OLD FILTER # INSPECT. NO VISIBLE SIGNS OF METAL # 277560284
	A CAL		14440	
3-18-02	1448	70	1448	RER MIXTURE CONTROL CABLE OPS CHECK GOOD 277560284
3-20-02	11150	72	LUEO	
5 0 0	1450	t 2		INSTALL ONE SAFE HEAT BRAND
				#700 SILICONE PAD ENGINE HERTED
				PER SAFE HEAT INSTALLATION  UM SCHULZE  DETRUCTIONS, OPS CHKGOOD 277560284
6-15-02	1508	130	1508	DiD = E (Curanal V
61502	1000	130	1508	EXRON ELITE SUNTHETIC OIL 20W50 PAGE
	1508	130	1508	SUB-TOTALS this page
	1508	130	1508	TOTALS—Carry forward to next page
	10-0			

	Page No.	Na I				
	DATE		TOTAL TIME IN SERVICE	TOTA TIME SINC OVERHA	RECORDII METER	DESCRIPTION OF WORK PERFORMEN
	6-15-6	22	1508	130	150	TOTALS brought forward from previous page
	6-15-0	2	1508	130	1508	B CUT OLD FILTER TO INSPECT. NO
	3nd		111.	1/42	The state of the s	UISIBLE SIGNS OF METAL Z77560284
8	3-25-0	22	1558	180	1558	BRAR EXHAUST MUFFLER WOVERHAUM
		18	ENE	100	1186 1818	Unit PART# 099001-190 PER CITABRIA
	SIBTE	192	11/2	370	13 1/ 20	SERVICE MANUAL OSCHE WESCHULLE
9	-5-02	- 1	562	184	1562	THE CAMP TO THE
3	3404	3 20	1.6 5	200	FE- 16	QUARTS EXXXII E
	Post	8 4	42)	33,31		QUARTS EXXON ELITE SUNTHETIC 20050
			17	3 333	4730	OIL. CUT \$ INSPECT OLD OIL FILTER NOUISIBLE SIGNS OF METAL 277560284
			4820	3552		19NS OF METAL 277560284
	199	18	442	7/37	13 18	CHARL SOURCE SO TONIA
0	T14/02	-	shot	201	1579	Corpressioner #174 #274 #375 #476
	10		Tiprot	201		
31	ALEXA		Expli	BLE	160 C)	cleaned plugs mags + exhaust ckoke replaced propseal, fuel servo removed
188	्ये देश	5	7 3.5	14 / 200	4.66	repared by motores ()
	T	V	A (P	24814	4) 23	repaired by MaTTITOCK+ reinstalled Cu 93-02-05 ing. Cines due at 1679
	0		SATN	,J. 3	ELIF	replaced airfilter run up + Leak Chok
	Ö	1	Too	03 W	9 913	TON Up Teal (Cho)
12 12 12 12 12 12 12 12 12 12 12 12 12 1	49427			WE SA	40.5	
	20		1480	المالية (	1/0	been inspected in accordance with
				34411	10 - mily	ANNUAL inspection and
	alu	1.51,	9 -	9 3	T-CAL	Child 4+1 1338 2801 th
11 5	AN. Ø3	16	15	237	1615	DRAIN OLD OIL, RER OIL FILTER-CH48109
		GA	7.	GT2CA	The set	ADD 7 GUARTS EXXON ELITE SUMMETIC
400	940		20	7 7 31	Disac	20W50 DIL. CUT & INSPECTORD
				POIR.	45)	1, '
		, ,	(2)	A STATE OF THE PARTY OF THE PAR		OIL FILTER, NO VISIBLE SIGNS OF METAL WM SCHULZE 277560284
251					1115	SUB-TOTALS this page
	-				1615	TOTALS—Carry forward to next page
					1615	TOTALS—Carry forward to float page

				Page No
DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
4-12-03	1873.4	295	1673.4	TOTALS brought forward from previous page
4-12-03	1673.4	295	1673.4	Drain old oil, RAR Oil filter . CH48109
				ADD 7 quants Exxon Elit 20w50 Oil
		Sin b		Cut & anspert old oil filter, No
			N. Mari	visible signs metal particles.
		- 111		WM SCHULLE 277560284
7-1-03	1719.4	341	46.P	. /
Tollie .	Sin 9	1	in min	CH48109. A00 7 quait Espon Elite
221162	a lilly	angerta.	206	20 W50 vil. Cut & Inefect old oil
160	11/10		Lagar	filter. No visible signs of metal partieles. WE SCHULE 277560284
10-5-03	17/6/1	391	96.0	parties. W- SCHALZE 21/560189
1000	1701.4	211	10,0	Drain old engine oil. R#R oil filter
				CH48109. Add 7 quarts Cxxon Elite 20w50 oil. Cut and inspect
				old sil filter. No visible signs
372-35			1000	old sil filter. No visible signs of metal partilcles. 211560284
aC714/0	3	L. COMMITTEE	19.34	#176 #376 #378
TACK.				mags removed cleaned + (used replaced
Smoths.	397			points + gaskets plugs cleaned
13		10000		replaced au filter exhaust cicole
	5-263	N. A. S.		runuptleak ell ok ew 02-25-01
2. 2. 5. 7.				inj. Lines due 20201 vextanne
7.25	24.04.0			in the cold this engine to
				Inspected in accordance with
				Le de remained de la la eleccatione
				SUB-TOTALS this page
				TOTALS—Carry forward to next page

age No.	4			
DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
	1769.4	391	96.0	TOTALS brought forward from previous page
2-28-04	1823.4	445.0	150.0	Drain old engine oil. KER oil
o All	204	Tillit.	Edwar	filter CH48109. add 795
A A	16.1	The State	toll	Exon Elite 20W 50 Oil . Open
do	prite	netal.	and the	and inspect oil filter for
	ARCH.	2204	73462	visible signs of melal flybeles
7-21-21	10750	11916	2011	D'elliste
5-61-09	1813,0	9760	201.6	Drain stel engine oil Rt Roil filter CH48109. add 7 gt exon elite 20 w 50
State		Lagra A	Baller	oil Open & inspect oil filter. No
2/02/04	ST.S.	357676	300	visible signo of metal pasticlo.
Part of the same	Sell of	RES.	138 . LE	Wolf 277560284
	THE SALE	reter	7 90	21/ 22/ 22/
	500	SMOH	224,4	Compression check 77/80 72/80 75/80 72/80
prop est	T 519.41	irs	1-	reset mag timing, change oil + Filter. check
N-SCS-O		N. (3. (3. (3. (4. (4. (4. (4. (4. (4. (4. (4. (4. (4	777777	Check + class Frel screen. Inspect motyler-ok
				JWAD 2002-26-01 by imp And remove
		2348		And clean are Fiel injectors, next due At
	A	IZX		324. 4 TACH Or 11/05 ANNUAL. C/W 75-17-16 by iNSP.
			Sar July	NAT due AT 324.4 TALH or 11/05. Clean eng. run-up ok.
26-26	100	1		I certify that this engine has been
		1000		inspected IAW AN ANNUAZ inspection
	Good	BA WA CHE NO	in the Peak	condition, C. Silver AP 25506682 IA.
	Witte 1	nergeowice	1	
		The same of	of Dan	COLLY Court
				SUB-TOTALS this page

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				rage No
DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
6-30-05	1906.3	527.9	232.9	TOTALS brought forward from previous page
6-30.05	1906.3	527.9	232.9	Remove & ReplacE ALTERNATOR YSERIAR #
				E122405. OPS CHK 900 WESSEL 27756028 AFP
7-12-05	1913.6	535.2	240.2	Prain old engine oil, R+R oil filter.
				CH48109, 400 7 quants Exon elite 20450
			N. S.	ail. Cutopen & inspect vilfelter. No
				visible signs of notal particles
				Wall 1:1 27756028
9-20.05	1964.4	5850		Draw old eng. oil, R&R oil filter CH48/09
				add 79ts Phillip miltigrade 66. Cut
				open & inspert oil filter. No verble signs
				of Metal partiels. Wife A&P 27756028
11-22.05	2014.4	635.9	034/1	Drain oldens oil At oil filter
				CH48109. add 7 gts phillips 66 mille-
				grade oil Cut open & inspect villater. Moveible signed metal purtules  (155 f. Aff 2775 coes
				Toverbe signed metal purches
				My Stay Ny Creater
JAN 10 2	60 (0	5matt 657. V	7AVh	Compression 72/80 72/80 74/0 70/80 change 0.2
	TT since			+ Filter. Ofen OIL Filter + inspect - UK ADD
prop csi	11 Since	New 45	, v mrs,	8 gt Phillips 20/50 xc. Check + cleron Ful surren
				of 2002-26-01 Try lines by insp or west due at
		7 249		463.1 or 1/2006 c/w 75-17-16 by ing, west due at
				463.1 or you. Check may diming - on clean
			NAME	eng comportment.
				I cortify that this ongive has been inspectal
			IAN	AN ANNIAL Trop, and was to be simonthy.
				Chris Siderwicz Um Suly A+825506682 IA
				SUB-TOTALS this page
				TOTALS—Carry forward to next page

SUB-TOTALS this page

2156.5 770.0 476.1

Areaft/engine is approved for return to service

TOTALS—Carry forward to next page 17/ IA 52648576 SRAM

			-	Page No
DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
2.12.07	2174.0	794.6	500.7	TOTALS brought forward from previous page
				C/w 100 HR For Punual insp
				Eng Comp. #1.72 #2-76
				Eng Comp. #1.72 #2-76 #3-76 #4-78/80.
			-	cleaned gapped Tested Plugs
				Replaced tall Rocker cover gasket with
				# AEL 75906-063\$ Silacone 9ASKETS
				Repaired LH Side BAFFLe Supports.
				clanned and Repainted # 1 cyl Rucker Cover
			-	Replaced AlT BeIT - 37-A19773-376
			- STORY	Reinstalled Retorqued & SAFTied Prop
			3 43.	Resecured Loose oil DRAIN Wase Clamps.
				Resecured Loose vil Fill Tobe & ResAFTied
3 Sept - 2	P. N. S. LEE			DRESSED of Prop of Reprinted BIK only
				Secured 2005e VAC pump Discharge Pipe
4-1	72,55	1 1 1 1	100	Cleaned Fuel inJectors
	1			C/w AD 2002-26-01 Fuling Lines
	and the same		The state of the s	Mag 500 HR Insp Due 2T NexT 100HR INSP
			-	R&R induction Air Fitter BA-8103-1
Calais	San Kane	Markey	May 3	WAShed Down Eng
	The same of the sa			Run up LEAK CK & SYST CK OK.
A LANGE		535		I certify that this Engine
ATIVE	22 2 3/2	A. Land	Part Soul	has been inspected in accordance with
	A 23	134.40	12.888 Ave	time. Anciety of overther return to service.  TA 2205 399
	discr.		Take !	Jobut Jay 1 1 2208 399
				STICK'N RUDDER AERO
				240 George Ryder Rd. Chatham, MA 02633
				SUB-TOTALS this page
	1000		- 4	TOTALS—Carry forward to next page

age No.	9 .			
DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
			and the same	TOTALS brought forward from previous page
	130 BA	EEN AVIATI RKLOW RD MOUTH, OH		
	2-9-200 CLEAN	8 TACH 645. ED AND GAI	9 TTE 2319.2 PPED PLUGS.	SMOH 939.8 CHECKED MAG TIMING. INSPECTED AIR FILTER.
	HOSES	BAFFLES AT #1 72/80 #2 7	ND MOUNTS 4/80 #3 72/80	AKE SYSTEMS. INSPECTED ENGINE CONTROLS.  5. C/W AD 2002-26-01 FUEL INJECTION LINES.  6. #4 76/80. RAN AND LEAK CHECK NORMAL.  7. AP3150828
	I CERT	IFY THIS ENGUAL INSPECT	GINE AND PR	AS DETERMINED TO BE IN AIRWORTHY CONDITION.  AP3227964IA
20.0				
_ / 1	-112-81		TACh	THE PROPERTY OF THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN
3/30/08	2418.3	1038.9	0745.0	
6 8 23				20-50. Cleaned + gapped spork pluge.
	×100 × 31			Cleaned fuel enjectors. Clucked Compression: #1-74/80 #2-74/80 #3-76/80
35				#4-72/80 10000 - 1-74/80"2-74/80"3-76/80
New for	cop w	as ins		#4-72/80. Suspect engine for lesks + Brocks Checked engine controls. No log book
1/14/01	, Jack	Time	1378	entry for overhauted Sommick 740m
Hon	Brok	1040.3	7	658-6-56 Brop. See yellow tag in prof
				O Took - Sustall Clate tentenment. From
		No No	THE A	Trop tentenown. Queorret ( po long into 281
				been into a si this engine has
		Marco Se	1 231	been inspected in accordance with a 100 hour inspection and was determed
		MATERIAL PROPERTY OF THE PARTY	Party V	to be en curvoither condition
			- Name >	to be ein curworthy condition Mound Surved AP 2477117
		VANET I	MEGGER	BTICK'NE
			1020 AIN	Chatham.
				SUB-TOTALS this page
L			The same	TOTALS—Carry forward to next page

				Page No
DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
1/28/09	2418.3	1038.9		TOTALS brought forward from previous page
1/28/09	2418.3	1138-9	845.3	Dravid Oil + Serviced 4/ Phillips 20-50
a di	Lucia	Tans	10000	Changed Oil Litter Cleaned + Gapped & Day
200	0 193	Buch	Same	plugs. Checked Compression: #1-7660
· deder	Might	1 mg	Mused	Changed Oil fitter, Cleaned + gapped spor plugs. Checked Compression: #1-75%0 #2-74%0 #3-76%0 #4-72/80. R+R Oil
	derece	intho	Race	filter. No Visable signs of metal sarticals
ELLI COLLEGE	aline	) James	Dies 10	Checked all Controls. Frispert & Clean
30	1	ania	CARL	fuel gascolater. Reset mag tenieno.
S. C. C. C.	100		Dans	Maritin - of the state of the s
- 1111	- Alexai	303	30 70	I certify that this engine has
No. of the	AD BOX	100	0335000	been inspected un accordance with
and and	a dealer		District of	a 100 hour inspection and was determined
		0		to be to curvetly condition.
2/3/69		1141.4	847.8	Removed engine due to Prop strike
Calif	28 2245	I TO STATE OF	1000	Sudder Stoppage from Citabria N2518Z
				Thomas Shewood SP 2477117
3/9/09	24720	1141,4	847.8	Disassemble and Clean engine Parts.
7009	of when	engin	lander	Send parts out for inspection and/or
TIME	Stell 11	31-1-0x	SE JEZ	Overhaul to: Oiveo, aircraft Specialles,
trium's	MARA	-6/67	in the	GFW and avstar fuel systems.
CIRC	Egera		4	Thomas Secret RP 2477117
- War	S Harry	1 agell	13.000	Barel Joseph Joseph Joseph
	76446	all Don	Millian	Discountiff bearing the second
				SUB-TOTALS this page
			Papalitan	TOTALS—Carry forward to next page

Page No. TACH OR TOTAL TOTAL DESCRIPTION OF WORK PERFORMED-RECORDING TIME TIME DATE SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK METER SINCE TIME SERVICE OVERHAUL TOTALS brought forward from previous page 847.8 847.8 Engine was overhauled and assemb led per 3B no 240T and Lycomine overhaul manual. all Steel parts were magnofluxed and overhouled by aircraft speciallies Services. Frank Care by Diver, Cylinder and Moquetos by GFW Oviation, Level Wolthiness Directives are in Compliance. List of new and overhauled parts and list of authorized Cartificates in back of this log. overhouled to Lyconing New parts Thomas Alberwood SP2477117 847.8 Unstalled Overhauled engine on new 2 ord mount 1/2 J6Z30-1 Vustall new Oel fetter and service Warrshell minual Oil. Ran engine in sur Lycoming overhayl manipel. Opps Check OK Thomas Solusional AP2477117 Yw 2 yer A/O 08-14-07 fuel injection lines & AD 21-06 muffler inspection Thomas Glerward A/P2477117 SUB-TOTALS this page TOTALS—Carry forward to next page

TOTALS—Carry forward to next page

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				Page No
DATE 20/0	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
10/27	2726.1	301.9	1148.9	TOTALS brought forward from previous page
		News		Drained oil + removed oil fetter.
				Derviced 4/ acroshell 15/50. Replaced
				Ost filter W/Champion 48108-1. Inspect
				Oil fetter for contamenation, none found
				Repured broken + Cracked baffles, rie
				side front and left side rear. R+R Curb- crir box control. Install
				new 2" scat tube from muffler to
				carb-heat box . Resit magnets
				teming. Complied 4/AD 80-21-06
				Cluck compression: 1-72/80 2-74/80
				#3-70/80 #4-72/80. Cleaned + gapped
				spork plugs, inspect fuel injector
				neggles.
				DATE 10/27/10 TACH/148.9 T.T. 2726.1
				HAS BEEN INSPECTED IN ACCORDANCE WITE
				TO BE IN AIRWORTHY CONDITION
				Merus & leverod
	A-St	1.284		DP 2477117
2011	7			
3/22		1000	1186.	Replaced left magneto Vingular with new Sur# 09020998
2 2 5 5	2 9550	100 00	BA LA	well new Ser# 09020998
				Thomas Showard AP 2477117
	341111		S BARRELLE	monus Summer 14 24/11/
				SUB-TOTALS this page
		3	3 THE PART OF THE	TOTALS—Carry forward to next page

Page No. TOTAL TOTAL TACH OR TIME TIME RECORDING DATE DESCRIPTION OF WORK PERFORMED— SINCE METER SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK SERVICE OVERHAUL TIME 2011 TOTALS brought forward from previous page Complied With 100 how inspection in accordance with FAK 43 appendix D. Complied W/AD 75-17-16, 08-14-07. Checked compression i) 70/80 2) 72/80 3) 70/80 4) 76/80. Serviced Oil with aeroshell 15-50 Changed Oil fetter Opened feller to inspect for Contaminates, none found. Retired DATE 9/28/11 TACH /345/0T.T. 29/8.1 I CERTIFY THIS AIRCRAFT/ENGINE PROPERTE BETHER MINISTER STATE OF THE HAS BEEN INSFECTED IN ACCORDANCE WITH AND DETERMINEL AL 1904 R MISPECTION AND DETERMINED TO 25 IN AIRWORTHY CONDITION 8/123017-0 596.1 1443.9 Changed oil and filter Derviced with arrishell 15/50. agen and inspect filter for Containents, none found - Clean and gap spork plugs. Replace one REM 38 sug. Weld repair but muff. Check Campression #1-7988, #2-72/80 3-74/80 #4-68/80. Complied W/100 hour inspection J/a/w FAR 43 appended D. Camplied 440 75-17-16, 08-14-07. DATE 3/8/12 TACH /345.0 T.T. 2918.1 I CERTIFY THIS AIRCRAFT/ENGINE/PROPELLER HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL 100HR INSPECTION AND DETERMINED TO BE IN AIRWORTHY CONDITION Mus Musional APZ497117 SUB-TOTALS this page TOTALS—Carry forward to next page

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			UH	DESCRIPTION OF WORK PERFORMED—
-	SERVICE	SINCE OVERHAUL	RECORDING METER TIME	DESCRIPTION OF WORK PERFORMING WORK SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
Ulan			150011	TOTALS brought forward from previous page
7/12	3/30,3	600.6	700 1	a. 1 Dil and dilter, Serviced
		1 3000		Warrshell 15/50. Suspect felter for
200		-		Contamenents, none found. Clean
				contamenents, none former Paraised
				and gap spark plugs. Repaired
1				engine baffle, left side rea.
			4 6	Onlare breken Mose Clamp on
				11 Roplased exhust
				riser ou# / Calinder. Camplud
				riser ou# 1 Cylinder. Cumplud With AD 2011-26-04 Curel 2009-22-0
		C 2257 HO		DATE 6/4/12 TACH 1530-4T.T. 3/30-5
	TIW BOYON			HAS BEEN INSPECTED IN ACCORDANCE WITH AN
	MINDELLE			ANNUAL 100HR INSPECTION AND DETERMINED
				Securos Survoval BP2477117
				Mannes you on 19211111
	06/06/12			N2518Z
	Tach 1530 Acft TT 31	130.5		Eng. TT 3103.5  Eng TSMOH 682.6
	Complied	with a AD rev	view through biv	accordance with FAR 43 appendix D. weekly 2012-11.
	airworthy	condition.	Brian Eason A	cted in accordance with an Annual inspection and was determined to be in an
			Dimiri Dason A	117320117114
1-1.1	2 221/	- 710		
ΙΟΙΙΙΙ	2 32/68	5 7684		
				Kamove this Engine Due to propeller
				Remove this Engine Due to propeller Strike for tear Down inspection
				111.0 3400
	a	al sagnera	HOAT	W.O. 3495
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Authori FAA/U	ational Aviation ty/Country: nited States TED STATES	AUTHORIZE  FAA Form 8130					3. Forn	n Tracking Number: LYC-40729-1
4. Organization LY-CON REBI 8231 W. DOE VISALIA CA. 9	AVE.	FAA APPROVED REPAIR S (559) 651-1070	STATION #CT3R4	35L			Numbe	k Order/Contract/Invoice r: VORK ORDER # 40729
6. Item:	7. Description:	8. Part Number:	9. Eligibil	ty: *	10. Quantity:	11. Serial/Batch N	lumber:	
1	CRANKSHAFT ASSEMBLY	AEL32101-1	N/A	0/1104540.0		01	MODIFIED	
THE WORK IN	DICATED IN BLOCK 12 WAS	S COMPLETED ON 11/09/12 B E ON FILE, FOR TIME REQUIR	Y RH. RED BY REGULA	TION, AT THI	S REPAIR STATI	ON UNDER THE W.O.		R IN BLOCK 5. ulation specified in Block 13
□ Арр		ere manufactured in conformit a condition for safe operation. fied in Block 13.		Certi Block 14, C	ifies that unless of	herwise specified in Bl d in Block 13 was accor- egulations, part 43 and	lock 13, t mplished in respe	he work identified in in accordance with Title ct to that work, the items
15. Authorize	d Signature:	16. Approval/Auth	orization No.:	20. Author	riced Signature	111	21	. Approval/Certificate No.: CT3R435L
17. Name (Ty	17. Name (Typed or printed):  18. Date (m/d/y):  22. Name (Typed or Printed): KENNITH L. TUNNELL							. Date (m/d/y): 11/09/12
			User/Installer	Responsibilit	ies			
Where the use in Block 1, it is specified in Bl	er/installer performs work in s essential that the user/insta ockl.	accordance with the national r ller ensures that his/her airwor stitute installation certification.	egulations of an a thiness authority In all cases, aircr	irworthiness accepts parts	authority differer /components/asse	nt than the airworthine mblies from the airwo	ess author rthiness a	rity of the country specified authority of the country

FAA Form 8130-3 (06-01) \*Installer must cross-check eligibility with applicable technical data.

NSN: 0052-00-012-9005

AUTHORIZED RELEASE CERTIFICATE

120522122651-1-1 FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

4. Organization Name and Address: Airmotive Engineering Corporation (PQ0003SW) 9503 Middlex San Antonio TX 78217

5. Work Order / Contract / Invoice Number: 122651

3. Form Tracking Number:

	950	3 Middlex San Antonio	O, TX /821/		the second second	110
6. Item:	7. Description:	8. Part Number:	9. Eligibility: *	10. Quantity:	11. Serial/Batch Number:	12. Status /Wrk
1	Crankshaft Assy EcPn AEL32103-1	AEL32103	N/A	1EA	See Blk 13	NEW
					30000	

13. Remarks:

Line#1-84549-01

FAA / UNITED STATES

14. Certifies the items identified above were manufactured in conformity to:

Approved design data and are in a condition for safe operation

☐ Non-approved design data specified in Block 13.

☐ 14 CFR 43.9 Return to service

☐ Other regulation specified in Block 13

Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in apportance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

15. Authorized Signature:

Steven Thatcher

16. Approval / Authorization Number:

20. Authorized Signature: 21. Approval / Certificate No:

17. Name (Typed or Printed):

18. Date (mmm/dd/yyyy):

May/22/2012

**DMIR832976SW** 

22. Name (Typed or Printed):

23. Date (mmm/dd/yyyy).

User/Installer Responsibilities

It is important to understand that the existence of this Document alone does not automatically constitute authority to install the part/component/assembly.

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 the parts/components/assemblies from the airworthiness authority of the country specified in block 1. Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national

FAA Form 8130-3 (6-01) (computer generated) \* Installer must cross-check eligibility with applicable technical data.

NSN-012-9005

Page No. \_ TOTAL TOTAL . TACH OR TIME DATE TIME RECORDING DESCRIPTION OF WORK PERFORMED— IN SINCE METER SERVICE SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK OVERHAUL TIME TOTALS brought forward from previous page Eng M/N: AEIO-320-E2B Eng S/N: L-5575-55A Eng. TT: 3216.5 TTSMOH: 768.6 Date: 11/30/2012 This engine has been disassembled, cleaned, and inspected as required after a propeller strike. No damage was found from the propeller strike. Installed a new Engine Components crankshaft P/N: AEL32101-1, S/N: 84549-01 and a P/N: LW-18840 reground camshaft that was supplied by the customer. Installed new main and rod bearings, new rod nuts and bolts, new crankshaft gear bolt and a serviceable crankshaft gear. Installed new magneto's P/N: 4370, S/N: 12090811 and P/N: 4371, S/N: 12090894. Installed 4 new Lycoming cylinder kits P/N: 05K21237-A. Engine was reassembled in accordance with data approved by or acceptable to the FAA using parts as listed below. Test cell run was satisfactory for return to service. Complied with AD 04-10-14, C1 by installing a new crankshaft, crankshaft gear bolt, lockplate, and a serviceable crankgear. AD due again at another propeller strike. Complied with AD 11-26-04 by installing fuel injection lines and clamps in accordance with Lycoming SB342F, AD due again at the next annual, 100 hour, or any maintenance that disrupts fuel lines. **Nothing Follows** FAA Approved Repair Station #Y2GR396Y Penn Yan Aero 2499 Bath Road Penn Yan, New York 14527 WO# 36049-12 **Authorized Signature** Reinstalled above listed engine, and new prop ) 462 Engine ground run 1/4/w 11-24-04 fuel inj. lines 1/A/W SB 342F and AD 12-03-06 Engine 15 on Mineral 20/50 Phillips Oil, MONTH ATLANTIC AIR INC. w/6 3495 -Atlantic Aircraft Services N2518Z 12/31/2012 Beverly Muni. Arpt. ETT: 3216.5 Tach: 1616.4 Danvers, Ma. 01923 ESMO: 0.0 AFTT: 3206.5 PTT: 0.0 Complied with 100Hr. inspection in accordance with FAR 43 appendix D. Complied with Airworthiness Directives. AD11-24-04 Fuel inj. Lines, AD12-03-06 AFS fuel servo N/A due to P/N#, AD09-22-02 Rear seat back, Checked all other AD's through Bi-weekly 2012-24. I certify that this engine has been inspected in accordance with a 100Hr, inspection and was determined to be in an airworthy condition. N2518Z 1/23/13 ESMO: ATLANTIC AIRCRAFT SERVICES TACH: 1627.2 PTT: BEVERLY MUNI ARPT. AFTT: PSMO: DANVERS, MA. 01923 ETT: Drained oil and removed filter, no contamination found at this time, installed filter and serviced with Philips 20W/50M. Ground run-up proved all functions to be satisfactory at this time. Withiam E Eason A/P3507203 TOTALS—Carry forward to next page

	TOTAL	TOTAL	TACH OR		
DATE	TIME IN SERVICE	TIME SINCE OVERHAUL	RECORDING METER TIME		ION OF WORK PERFORMED— ICATE NO. OF PERSON PERFORMING WORK
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	104:2 8H	811 f	Ster. S	hipped To Penny	lan 97 Lynch
		EIO-320-E2	2B <u>E</u> i	ng S/N: L-5575-55A	Eng. TT: 3320.7 Date: 9/18/2013
	TSMOH: 8		sassembled	cleaned inspected and rep	Date: 9/18/2013 paired as required due to metal
					ist surface corrosion. Crankshaft
					rust surface was repaired. Installed
		The state of the s			rankshaft gear bolt. Ring finished
					s in cylinder #1 & #2. Cylinder #3
					accordance with data approved by
					satisfactory for return to service.
					amps in accordance with Lycoming
	Service Bulle				
	LO TOP OF SALES			Nothing Follows	
	Penn Ya			FAA A	Approved Repair Station #Y2GR396Y
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	INIOH 7	7594-13			( Authorized Signature
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10/2/2			Atlantic .	Aircraft Services	N2518Z
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Page No.

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
		Tring	molecus on	TOTALS brought forward from previous page
	Sig Pho P.C	Beverundering it a dering it a	tion Manag	as involved in an incident/accident  K B V Y On 1-15-2014  as not repairable within its insured  Proposition refer to file: H14 Y45236  Date 11-24-2014  gers, Inc.
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				SUB-TOTALS this page
	7		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TOTALS—Carry forward to next page

AIRWORTHINESS DIRECTIVES

			AIRWORTH		IRECTIVES	AUTHORIZED SIGNATURE
A.D. NUMBER	ITEM AFFECTED	DATE & HRS. AT COMP.	METHOD OF COMPLIANCE	TYPE OF A.D. 1 TIME/RECUR.	NEXT COMP. DATE/HRS./CYCLE	CERTIFICATE NO.
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## ENGINE AIRWORTHINESS DIRECTIVE COMPLIANCE RECORD

Make Textron Lycoming

Model AEIO-320-E2B

Serial No. L-5575-55A

AD Number	Subject	Method of Compliance	Status	Recurring Y/N	Next Compliance Due at	Inspector
5-02-02	Accessory Drive Gasket		N/A			JP
59-10-07	Cylinder Baffle Clamps		N/A			50
63-23-02	Exhaust Valves		N/A			JP
64-16-05	Fuel Pump		N/A			JP
20-04	Oil Filter Adapter Gasket		N/A			JP
23-01	Piston Pins		N/A			JP
08-09	Oil Pump Gears		N/A			JP
8-09-07 R3	Bendix Impulse Mags.	Superseded by AD 96-12-07	N/A			JP
81-18-04 R2	Oil Pump Gears	Superseded by AD 96-09-10	NIA			1700 0 100 100 100
87-10-06 R1	Rocker Arms	Installed Parts per Lycoming S.B. 477A	NIA			JP TO
90-04-06 R1	Prop. Gov. Oil Line	Installed Parts per ¶ (a), (b) & Appendix 1 of AD	NIA	Υ	When line is removed.	JP -n
91-14-22	Crankshaft Gears	Insp. & Rework per SB475B, Bolt torque 204" Lockplate bent in place	CIW	Υ	See AD note.	JP -0
92-12-05	Thick Wall Piston Pins	Installed Parts per Lycoming S.B. 501B		N	000712110101	JP Th
93-02-05	Fuel Injector Lines	Secured Fuel Injector Lines per Lyc. S.B. 342B	NIA		See AD Note Supercente	of JP
93-11-11	Fuel Pump	Installed new fuel pump	ClW	N	2007	JP -n
94-01-03 R2	TCM Mag. Coils & Magnets	Installed Parts in ac w/ TCM S.B. 637 & MSB644		N	Jan	-D
94-06-09	TCM Mag. Capacitors	Installed Parts in ac w/ TCM CSB 641	NIA	N		78
5-26-02	Detonation	See AD	N/A N/A	14		JP
6-09-10	Oil Pump Gears	Installed hardened steel impellers per Lyc. SB524		NI.		JP -n
6-12-07	Bendix Impulse Magnetos	Inspected coupling per TCM SBM645 & SB639	C/W	N	E001	JP -
6-23-03	Lycoming Fuel Pumps	Non-affected Fuel Pump Installed	NIA	Y	500hrs	JP -
7-15-11		Non affected Piston Pins Installed S/S AD 97-01-03	Clw			JP -n
8-02-08		Complied With MSB 505B & 530A	Clw			TP
		Installed non-affected crankshaft	clw	N		JP -
and the same		Performed initial torque ck. inspection per ¶ (a)	chu	N		TP
78-23-12		8 A78 2550 6 682 W/14/04	NIA	Y	50 hrs TIS or 6 mos.	JPP

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The AD Notes listed above have been checked and complied with where negestary of 1616

Teledyne Mattituck Services, Inc. CRS T10R507Y

N2518Z



## The Standard -ENGINE LOG

Manufacturer Lycoming	Model AEIC	-324-E2B
Serial L-5575-55A	Type Certificate	
	u ili aircrait: /v o = = G =	
This engine is currently installe		Winter
Minimum Octane Fuel	Oil Grade Summer Point Setting	WinterFiring Order

YEAR

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.)



01/17/2025 N2518Z 1977 Bellanca "Citabria" 7KCAB LYC AEIO-320-E2B s/n L-5575-55A TACH: 1760.6 SMOH 912.0

Engine Disassembled for Prop-Strike inspection. Complied with AD 04-10-14 per Lycoming SB 475C as follows: Crankshaft and Crank-Gear cleaned, inspected and Mag Particled by G&N Aircraft, Inc. Crank-Gear then installed by G&N with new Bolt (STD-2246) and Lockplate (LW-18639). See G&N work order #024/72326 for details. Connecting Rods cleaned and checked for parallel & squareness. Crankcase inspected, repaired as necessary. New crankshaft bearings, connecting rod bearings and hardware installed. Reassembled engine with new gaskets (Lycoming gasket Kit # 6937-1).

Inspected engine mount, no defects noted. Hung engine with new Lord Mounts (Kit P/N J-6230-1) and hardware. Hot-shrunk serviceable 10/12 pitch 122-tooth starter ring-gear on support assembly and installed on engine. Fuel lines and nozzles inspected IAW AD 15-19-07 and reinstalled. Installed Overhauled LH Mag (P/N 4371, S/N H-Y050120). Reinstalled RH Mag (P/N 4370, S/N 12090511). Timed both Magnetos to engine. Installed two new Slick Magneto Harnesses (Kit P/N M4001). Installed all lines, hoses, transmitters and probes, replacing any worn items as necessary. Installed new SCAT tubing on all Muffler Shroud and baffle connections. Cleaned, gapped, tested and installed spark plugs, replacing 2 defective plugs with Champion REM40E. Inspected and reinstalled SkyTec Starter (P/N 122-12LS, S/N C2L-340604). Reinstalled and wired Alternator (P/N ALY-8520R, S/N E122405) with new Alternator Drive Belt (P/N 37A19773-376) and new 60 amp breaker. Installed & safetied propeller, spinner bulkheads and spinner. Verified previous installation of "E-Z Heat, Inc." Engine Heater pad, Model #270 (P/N 07-05315). Installed new Main Air Intake induction tube (P/N U7-1475-4) on fwd side of airbox.

Removed inop EDM700 Engine Monitor for repair, reinstalled Rebuilt unit (P/N EGT 701-4C, S/N 33915). Ops check good.

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YEAR DATE	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.)
Installed new .	JPI FS450 Fuel Fl	low instru	ment (P/N 4500	000-P, S/N 18315) IAW STC SA00861SE. K-Factor noted as 29.35. See form 337 for
details.				
nstalled new	Fuel Flow transc	ducer (P/N	700900-1) dov	wnstream of engine driven fuel pump and secured with firesleeve IAW STC
				form 337 for details.
appendix D. In travel and ope 78/80, 2) 78/8 Filter (P/N BA	eration of all engage, 3) 79/80, 4) 7-8103-1). All AD	mpest AA4 gine contro 79/80. Ver o's through intenance	18108-2 oil filte ols. Engine ran rified correct m bi-weekly 202 documents. Pe	nour inspection, per check lists meeting the requirements of FAR 43.15(c) and FAR 43 or & serviced engine with 8 qts Phillips Type "M" SAE20W-50 mineral oil. Confirmed to operating speed/temp, no discrepancies found at this time. Compressions 1) has timing to engine. Cleaned and gapped spark plugs. Replaced Main Air Intake 5-01 checked and complied with, see AD print out for details.  Performed post inspection operational check per FAR 43.15(c) (2). This engine was has been determined to be airworthy at this time.
				alanda Nandor J Vander J Vander Mey A&P# 3757160
Inspected en appendix D.	gine as required This engine was	by FAR 91 inspected	.409(a) (1) an a in accordance	with an annual inspection and has been determined to be airworthy at this time.  Joel Newton A&P IA # 4389274

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YEAR

DATE

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.)



02/21/2025 N2518Z 1977 Bellanca "Citabria" 7KCAB LYC AEIO-320-E2B s/n L-5575-55A TACH: 1762.5 SMOH 913.9

Removed cowling and LH wingroot access. Installed new Lonestar Alternator Noise Filter (P/N LS03-01004). Installed new shielded wires between voltage regulator/alternator, and field-switch/voltage regulator. Grounded shielding to aircraft structure at firewall and LH Wingroot. Installed new PMA Hartzell Alternator Brush-Holder Assy (P/N ALU-3045BS) with included brushes. Ran aircraft to verify headset noise level and correct alternator operation, ops check good. Reinstalled panels.

Work performed IAW 0E-A2 Alternator MM, 7KCAB MM and AC 43.13-1B.

allush f Vally Alexander J VanderMey, A&P # 3757160

ELIT

Remove middle new Ch and fue flow, no MM an

Alexan



Date 5/12/2025

Tail no N2518Z

A/C model 7KCAB

A/C s/n 616-77

Engine mfr Lycoming

Engine type AEIO-320-E2B

Engine pos

Engine s/n L-5575-55A

Tach 1770.5 hrs

Hobbs

TTAF

**SMOH** 921.9 hrs

Iterations Number of

ific entries.)

Removed cowling. Removed winter-closeout from oil cooler. Adjusted Lower Cowl-flap door to middle position. Removed and cut oil filter, no defects noted at this time. Installed and safetied new Champion CH48108-1 oil filter. Removed leaking fuel line between fuel-flow transducer and fuel-servo. Remade with new fittings, installed and leak-checked. Ran aircraft to verify fuel-flow, no defects noted. Installed cowlings. All work performed IAW Bellanca Citabria 7KCAB MM and AC 43.13-1b.

MM and AC 43.13-1b.	111	11	
Alexander J VanderMey A&P 3757160	Make of Var		
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