

Right
VOLUME NO.

SECTION III

ENGINE

LOG



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ENGINE LOG

1. Make Lycmings
2. Model L-18-320-C1A
3. Specification TC-1E12
4. Mfg. Serial No. L-216-66A
5. Reduction Gear Ratio Direct
6. Date of Manufacture Feb 18/1983



ENGINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL		NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE INSTALLATIONS, INSPECTIONS, REPAIRS, ADJUSTMENTS, MODIFICATIONS
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD	→				
July 17/83	15	00	00	00	Brought forward from 1st by Boate
Sept 18/83	14	15	14	15	Oil and filter change
Nov 22/83	38	40	52	55	100 hr. insp. Oil & filter change
Feb 26/84	29	20	77	15	oil & filter change
Aug 24/84	25	05	102	20	oil & filter change
Nov 27/84	3	40	106	00	100 hr. insp.
Mar 15/85	15	00	121	00	oil and filter change
Apr 2/85	46	35	167	35	100 hr. insp.
Feb 7/85					Turbo filter checked - replaced turbo hot end.
Mar 8/86					EGT pipe replaced
Mar 18/86					Oil & filter replaced
Nov 27/86					100 hr. insp.
Jan 20/87					Turbo filter cleaned
Feb 26/87					Oil & filter change
Mar 15/87					Oil & filter change
Apr 28/87					Oil & filter change
Jan 3/88	297	105			100 hr. insp.
Apr 29/88	382	10			Oil and filter change
Dec 7					100 hr. insp.
Mar 17/89					Change oil and filter/turbo oil screen
Apr 7/89					Change oil and filter/turbo oil screen
TOTAL THIS PAGE	382	10			CARRIED FORWARD
TOTAL FROM PREVIOUS SUMMARY	1215	00			
TOTAL SINCE MFG.	2197	10			

MAINTENANCE RECORD

REPAIRS, ADJUSTMENTS, MODIFICATIONS	SIGNATURE	LICENCE NUMBER
oil locking and safety wires replaced	Bo Boate	Y20216238
	Bo Boate	Y20216238
	Bo Boate	"
#1 7/80 #2 7/80 #3 7/80 #4 7/80	Bo Boate	"
oil locking and safety wires replaced	Bo Boate	Y20216238
	Bo Boate	Y20216238
oil locking and safety wires replaced	Bo Boate	Y20216238
planned) all locking and safety wires replaced	Bo Boate	Y20216238
cleaned) all locking and safety wires replaced	Bo Boate	Y20216238
new ALLCO Airborne Vac Pump	Bo Boate	Y20216238
	Bo Boate	Y20216238

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.



ENGINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, <small>NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE</small>
	HRS.	MIN.	HRS.	MIN.	
				1109 :00	
Nov 15/01			1125 :00		100 HR / ANNUAL INSPECTION CARRIED OUT
Jan 7/02					CW-AD96-09-10 Refined
Jan 17/02					Change oil, oil filter, clean
Oct 1/02			1155 :30		Change oil
Dec 3/02		:20	1155 :50		ANNUAL INSPECTION CARRIED OUT IN ACCORDANCE
Feb 4/03			1176 :50		Change oil, filter, clean turbo
Mar 15/03			1172 :55		CW-AD 2002-26-10
July 15/03					Change oil
Dec 4/03			1217 :45		ANNUAL INSPECTION CARRIED OUT IN ACCORDANCE
Dec 23/03					Change oil, oil filter, clean turbo
Nov 25/04			1293 :30		ANNUAL INSPECTION CARRIED OUT IN ACCORDANCE
Mar 20/05			25 hrs		Change oil, oil filter, clean turbo Reflex vacuum pump
Nov 10/05	37	:45	1281 :15		ANNUAL INSPECTION ACCOMPLISHED IN
Feb 14/06					Change oil, filter and clean turbo
Nov 17/06	31	:10	1312 :25		ANNUAL INSPECTION ACCOMPLISHED IN
Feb 15/07					Change oil, filter and clean
Dec 5/07	26	:15	1338 :40		ANNUAL INSPECTION ACCOMPLISHED IN OIL CHANGED, FILTER INSPECTED,
Nov 30/08	36	:7	1375 :2		ANNUAL INSPECTION ACCOMPLISHED IN OIL CHANGED, FILTER INSPECTED,
			1375.2		CARRIED FORWARD
TOTAL THIS PAGE					
TOTAL FROM PREVIOUS SUMMARY					
TOTAL SINCE MFG.					

MAINTENANCE RECORD

REPAIRS, ADJUSTMENTS, MODIFICATIONS <small>ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.</small>		SIGNATURE	LICENCE NUMBER
	ENGINE IS AIRWORTHY. oil pump gear, shaft etc. turbo filter and oil screens	<i>[Signature]</i>	M094219
		<i>[Signature]</i>	M094219
	WITH CAR 625 APPENDIX 'B+C' filter and oil intake screens Fuel injector lines	<i>[Signature]</i>	M094219
		<i>[Signature]</i>	M094219
	WITH CAR 625, APPENDIX B+C. filter and oil screen	<i>[Signature]</i>	M094219
	- IN ACCORDANCE WITH CAR 625, APPENDIX B+C filter and oil screen	<i>[Signature]</i>	M094219
	IN ACCORDANCE WITH CAR 625, APPENDIX B+C. filter	<i>[Signature]</i>	M094219
	IN ACCORDANCE WITH CAR 625, APPENDIX B+C turbo filter	<i>[Signature]</i>	M094219
	IN ACCORDANCE WITH CAR 625, APPENDIX B+C. TURBO FILTER CLEANED + INSPECTED	<i>[Signature]</i>	M094219
	IN ACCORDANCE WITH CAR 625, APPENDIX B+C. TURBO FILTER CLEANED + INSPECTED	<i>[Signature]</i>	M094219

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

ENGINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, <small>NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE</small>
	HRS.	MIN.	HRS.	MIN.	
	BROUGHT FORWARD →		1375.2		
Dec 1/09	29	.0	1399	.2	ANNUAL INSPECTION ACCOMPLISHED IN OIL CHANGED, FILTER INSPECTED, DIFF COMP. TEST #1 - 77/80
Nov 30/10	13	.3	1412	.5	ANNUAL INSPECTION ACCOMPLISHED IN OIL CHANGED, FILTER INSPECTED, DIFF COMP. TEST, #1 - 76/80
Nov 25/11	16	.5	1429	.0	ANNUAL INSPECTION ACCOMPLISHED IN OIL CHANGED, FILTER INSPECTED, COMPRESSION TESTED WITHIN FUEL INJECTOR SERVO O/H SI
Dec 4/12	15	.7	1444	.7	ANNUAL INSPECTION ACCOMPLISHED IN OIL CHANGES + FILTERS INSPECTED
Jan 3/13					SPARK PLUGS CLEANED + GAPPED, REINSTALLED
Jan 9/13					INJECTOR SERVO REBUILT, FLOW DIVIDER
Mar 19/13					BOTH MAPS OVERHAULED (EXECUTIVE ACCESS)
Mar 25/13	15	.8	1460	.5	ANNUAL INSPECTION ACCOMPLISHED IN
Aug 12/14					RH ENGINE OVERHAULED BY CERTIFIED REINSTALLED IN ACCORDANCE WITH
TOTAL THIS PAGE					CARRIED FORWARD
TOTAL FROM PREVIOUS SUMMARY					
TOTAL SINCE MFG.					

MAINTENANCE RECORD

REPAIRS, ADJUSTMENTS, MODIFICATIONS <small>ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.</small>	SIGNATURE	LICENCE NUMBER
ACCORDANCE WITH CAR 625, APPENDIX B+C TURBO FILTER INSPECTED + CLEANED Oil hoses replaced #2 - 76/80 #3 - 75/80 #4 - 75/80 Engine mounts replaced	<i>[Signature]</i>	M094219
ACCORDANCE WITH CAR 625, APPENDIX B+C TURBO FILTER INSPECTED + CLEANED #2 - 76/80 #3 - 74/80 #4 - 75/80	<i>[Signature]</i>	M094219
ACCORDANCE WITH CAR 625, APPENDIX B+C TURBO FILTER INSPECTED + CLEANED LIMITS, SPARK PLUGS, REBUILT AVSTAR + REINSTALLED. W/O No 129771	<i>[Signature]</i>	M094219
ACCORDANCE WITH CAR 625, APPENDIX B+C COMPRESSION TEST - ALL CYLINDERS 71/80 TO 74/80	<i>[Signature]</i>	M094219
INJECTOR NOZZLES CLEANED, REINSTALLED (JA-CITY Aero KITCHENER AERO)	<i>[Signature]</i>	M094219
TESTED + REINSTALLED (JA-CITY Aero KITCHENER AERO)	<i>[Signature]</i>	M094219
ONES, FT LAUDERDALE, FLA)	<i>[Signature]</i>	M094219
ACCORDANCE WITH CAR 625, APPENDIX B+C	<i>[Signature]</i>	M094219
ENGINES Unlimited Inc w/ #60843/42895 PA 39 MICE MANUAL	<i>[Signature]</i>	M094219

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

ANOTHER QUALITY OVERHAUL
BY



CERTIFIED
ENGINES
UNLIMITED, INC.
OF
MIAMI, FLORIDA



The Standard

4-ENGINE LOG

ASA-SE-2



The Standard Engine Log
SE-2

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P R R A S A - S E - 2

Engine Record General Information

Manufacturer: Textron Lycoming

Model L1O-320-C1A

Serial: 1-216-66A

Type Certificate: 1E12-REV 9

This engine is currently installed
in aircraft: PA 39 (RH) C-GDNX

Minimum Octane Fuel:
100/100LL

Oil Grade Summer: 50W
Winter: 40W

Magneto Time: 25° BTC

Spark Plug Gap: .016 - .021

Firing Order: 1-4-2-3

Manufacturer's Recommended
TBO at 2000 hours

Comments:



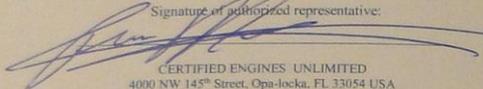
YEAR 2014 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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This document is to serve as a certification of
Major Overhaul and Block Test Run by
Certified Engines Unlimited, Inc.

MFG: ~~Textron Lycoming~~ MODEL: L10-320C1A
S/N: L-216-66A TOTAL TIME: 3315,0 hrs

AD NOTES: SEE REAR OF LOGBOOK

Pertinent details of the work performed are on file at this agency under
Invoice/Work Order: 60843 42895 Date: 08/12/2014

Signature of authorized representative:


CERTIFIED ENGINES UNLIMITED
4000 NW 145th Street, Opa-locka, FL 33054 USA
Phone: 305-685-8331 Email: allen@ceu.aero
EASA.145.4301 FAA CRS KG4R309M

YEAR 2014 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.)
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CERTIFIED ENGINES UNLIMITED, INC.

FAA CRS# KG4R309M
4000 N.W. 145th Street, Airport, Opa-Locka, Florida 33054
Phone: (305) 685-8331

LIMITED OVERHAUL WARRANTY

1. Subject Matter and Scope of Warranty. Certified Engines Unlimited, Inc. (hereafter referred to as "CEU") warrants each overhauled engine to be free from defects in material workmanship. This Warranty is expressly subject to the terms and conditions set forth below and shall not apply outside the operational performance of any engine which has been subject to misuse, neglect, accident or damage from the elements or which has been installed, repaired, maintained or altered in any manner which in the judgment of CEU has had an adverse effect on the performance or reliability of engine or part.
2. Time Limits. This Warranty for parts and labor, extends for a period of time (9) months from the date of service or two hundred (200) hours, whichever occurs first. An additional provided warranty extends, parts only, to six hundred (600) hours on direct engines, and four hundred (400) hours on piston engines. Certified Engines Unlimited considers the frequent use and operation of an engine to be an integral factor in extending engine life. For this reason, CEU considers warranty hours based upon a minimum usage of 30 hours a month, regardless of actual operation hours.
3. Express Conditions. As a time and condition of this Warranty, the customer is required to follow factory recommended service procedures and maintenance guidelines.
4. Proper maintenance logbooks are to be kept by and maintained by the customer and shall be furnished to CEU on demand, as a condition of the Warranty.
5. Limitations and Exclusions. All parts and labor are to be approved by CEU prior to commencement of work under this Warranty. CEU is responsible only for the cost of reasonable labor and materials necessary to repair or replace the parts CEU determines to be defective in material or workmanship at CEU's place of business, located at Opa-Locka, Florida. Under no circumstances shall CEU be responsible for charges in the removal and reinstallation of defective parts or engines.
6. THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES AND REPRESENTATIONS, EXPRESS OR IMPLIED, OR STATUTORY, OR COMMON LAW PURPOSE, AND ANY IMPLIED WARRANTY ARISING FROM ANY COURSE OF PERFORMANCE OR FITNESS AND FOR ANY PARTICULAR PURPOSE, IN STRICT LIABILITY IN TORT OR ANY RIGHT ARISING FROM NEGLIGENCE ON THE PART OF CEU, AND CEU'S LIABILITY ON SUCH CLAIM SHALL IN NO CASE EXCEED THE PRICE ALLOCABLE TO THE ENGINE OR PART WHICH GIVES RISE TO THE CLAIM.
7. LIMITATION ON LIABILITY. IN NO EVENT, WHETHER AS A RESULT OF A BREACH OF WARRANTY, CONTRACT OR ALLEGED NEGLIGENCE, SHALL CEU BE LIABLE FOR SPECIAL OR CONSEQUENTIAL OR ANY OTHER DAMAGE, INCLUDING BUT NOT LIMITED TO, LOSS OF PROFITS OR REVENUES, LOSS OR USE OF THE ENGINE OR AIRCRAFT OR COST OF REPLACEMENT, PERSONAL INJURY OR FATALITIES, OR FLIGHT DELAYS OR CANCELLATIONS.
8. CRACKED CYLINDERS AND CRANK CASES ARE EXCLUDED FROM ALL WARRANTIES UNLESS IT CAN BE DETERMINED THAT THE DAMAGE IS A DIRECT AND PROXIMATE RESULT OF IMPROPER WORKMANSHIP BY CEU. ACCESSORY ITEMS ARE TO BE WARRANTED BY VENDOR OF SUCH ITEMS.



ENGINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL		NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE INSTALLATIONS, INSPECTIONS.
	HRS.	MIN.	HRS.	MIN.	
MAR 3/15	7	10	7	10	Annual InsP. ACCOMPLISHED IN ACCORDANCE WITH CAR 625, APP. B+C.
DEC 3/15	7	50	15	00	
DEC 5/16	11	25	26	25	
FAN 15/18	12	2	38	6	

NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE INSTALLATIONS, INSPECTIONS.

MAINTENANCE RECORD

REPAIRS, ADJUSTMENTS, MODIFICATIONS
ENTRIES: DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE	LICENCE NUMBER
<i>[Signature]</i>	M094219
<i>[Signature]</i>	M094219
<i>[Signature]</i>	M094219

WITH CAR 625, APP. B+C.
WITH CAR 625, APP. B+C.
WITH CAR 625, APP. B+C.

TOT	TOTAL THIS PAGE
T	TOTAL FROM PREVIOUS SUMMARY
PRE	TOTAL SINCE MFG.

CARRIED FORWARD

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

ENGINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL		NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	
JUNE 2016			26	0	
JAN 15-18	12	2	26	4	
			38	6	

DATE: JANUARY 15-2018 REG: C-GDNX R/H ENGINE S/N L-216-66A T.T.S.O.:38.6
 Annual inspection carried out in accordance with C.A.R. 625 Appendix "B" and "C".
 Compression test carried out # (1) 78/80 (2) 75/80 (3) 78/80 (4) 77/80. Spark plugs cleaned and regapped and reinstalled. Fuel injector fuel lines inspected per AWD 2015-19-07 and no defects found. Ground run carried out and leak checked no leaks found.
 The maintenance described above has been performed in accordance with the applicable standards of airworthiness requirements.
 Signature: *[Signature]* 14156335

DATE: JANUARY 15 2018 REG: C-GDNX R/H ENGINE S/N L-216-66A T.T.S.O.:58.5
 Annual inspection carried out in accordance with C.A.R. 625 Appendix "B" and "C".
 Compression test carried out # (1) 75/80 (2) 78/80 (3) 76/80 (4) 78/80. Spark plugs cleaned and regapped and reinstalled. Engine oil drained and refilled with w100 plus oil. Oil filter replace with new p/n AA48110-2. Fuel injector fuel lines inspected per AWD 2015-19-07 and no defects found. Ground run carried out and leak checked no leaks found.
 The maintenance described above has been performed in accordance with the applicable standards of airworthiness requirements.
 Signature: *[Signature]* 14156335

TOTAL THIS PAGE					CARRIED FORWARD
TOTAL FROM PREVIOUS SUMMARY					
TOTAL SINCE MFG.					

MAINTENANCE RECORD

REPAIRS, ADJUSTMENTS, MODIFICATIONS
 ENTRIES: DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

REPAIRS, ADJUSTMENTS, MODIFICATIONS	SIGNATURE	LICENCE NUMBER
June 02, 2016 TTSO: 38.6 C-GDNX Right engine cylinder #2 & 4 upper deck air line removed, repaired and reinstalled Right engine upper spark plugs replaced with UREB 37E Right engine oil and filter replaced, Aeroshell W100+ oil installed Right engine fuel injection nozzles removed, cleaned and reinstalled per SI 1274C Right engine fuel injection servo finger screen removed, cleaned, inspected and reinstalled. The maintenance described above has been carried out in accordance with the applicable standards of airworthiness. Signature: <i>[Signature]</i> Clarence Beintema 348208		

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

RECORD OF ENGINE
ORTHNESS DIRECTIVES (A/D), SERVICE BULLETINS (S/B),

DATE	A/D, S/B, S/I, MODE	DETAILS OF
DEC 15 92	81-19-07	TURBOCHARGER FUEL, OIL, + AIR HOSES REPAIRED
"	90-04-06	PROP GOVERNOR LINE REPL.
"	91-08-07	AIR REL LINE RESTRICTOR REPL - TURBOCHARGER
MAY 15 94	94-01-03	MAGS REPAIRED PER LEAVENS AVIATION
"	94-06-09	
MAR 31 95	82-27-03	INSP OF TURBOCHARGER HOT END FOR
DEC 20 95	S.B. 518	INSP OF THERMOSTATIC BYPASS VALVE
16/07	A.D. 76-09-10	New gear installed and compression
MAR 15 03	2002-26-01	FUEL INJECTOR LINES I.A.W. MSR 342 D
MAY 05 04	2002-26-01	FUEL INJECTOR LINES INSP.
NOV 10 05	2002-26-01	FUEL INJECTOR LINES INSP.
MAY 17 06	2002-26-01	FUEL INJECTOR LINES INSP.
DEC 5 07	2002-26-01	FUEL INJECTOR LINES INSP.
MAY 30 08	2002-26-01	FUEL INJECTOR LINES INSP.
DEC 1 09	2002-26-01	FUEL INJECTOR LINES INSP.
MAY 20 10	2002-26-01	FUEL INJECTOR LINES INSP.

SPECIAL INSPECTIONS (S/I) AND MODIFICATION
WORK OR INSPECTION PERFORMED

CRACKS
N/A BY PART NUMBER
checked (all cylinders 74 or above)
(Per BoCA Aviation info)