

AIRCRAFT ENGINE LOGBOOK

Make Lycoming

Model TIO-540-AJ1A

Serial Number 2-14152-61F

Total Hours Since New 1105.7 Total Cycles Since New NIA

Total Hours Since Overhaul — Total Cycles Since Overhaul —

Date of Manufacture 10 March 2015

Date of Last Overhaul —

Date of Shockload or sudden stoppage applicable to piston or turbo propeller type engines.

NIA

This is engine log book volume 1

I hereby certify that the particulars as stated above are a true reflection of the historical records pertaining to this engine and these records have been pasted in the applicable section of this logbook.

Name F de Oliveira

Signature 

AME Number —

AMO certification stamp 



Date 02 October 2023

ENGINE HISTORICAL RECORD

The following records are required to be placed on this page when opening a new logbook.

Release documentation from engine manufacturer or

Record of last engine overhaul

1. Approving Civil Aviation Authority-Country: FAA/UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG			3. FORM TRACKING NUMBER: L-14152-61E	
4. ORGANIZATION NAME AND ADDRESS: PRODUCTION CERTIFICATE #3 Lycoming Engines, 652 Oliver St., Williamsport, PA 17701				5. WORK ORDER/CONTRACT/ INVOICE NUMBER: MS-451741		
6. ITEM:	7. DESCRIPTION:	8. PART NUMBER:	9. QUANTITY:	10. SERIAL NUMBER:	11. STATUS/WORK:	
5.1	Aircraft Engine	ENPL-RT10658	1	L-14152-61E	NEW	
12. REMARKS: ENGINE MODEL: TIC-540-AJ1A AIRWORTHINESS APPROVAL - ENGINE						
13a. Certifies the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.				14CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12		
13b. Authorized Signature: <i>[Signature]</i>				13c. Approval Authorization No: ODA830678-NE		14b. Authorized Signature: <i>[Signature]</i>
13d. Name (Typed or Printed): D. MITCHELTREE				13e. Date (dd/mm/yyyy): 10 MAR 2015		14c. Approval/Certificate No:
14d. Name (Typed or Printed):				14e. Date (dd/mm/yyyy):		
USER/INSTALLER RESPONSIBILITIES						
<p>It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.</p> <p>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 aircraft engine(s)/propeller(s)/article(s) from the Airworthiness Authority of the country specified in Block 1.</p> <p>Statements in block 13a and 14e do not constitute installation certification. In all cases maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.</p>						
FAA Form 8130-3 (02-14)				NSN: D052-00-012-9005		 

RECORD OF MAJOR DEFECTS AND DAMAGE SUSTAINED


Date of Incident	Total Engine Time	Total Engine Cycles

Brief description of defect or damage sustained

No major defects recorded in previous logbooks

I hereby certify that the information as recorded above is correct in every respect to the best of my knowledge.

Name F. de Oliveira

Signature 

AME Number _____

AMO certification stamp



Date 02 October 2023

RECORD OF MAJOR DEFECTS AND DAMAGE SUSTAINED

Date of Incident	Total Engine Time	Total Engine Cycles

Brief description of defect or damage sustained

I hereby certify that the information as recorded above is correct in every respect to the best of my knowledge.

Name _____

Signature _____

AME Number _____

AMO certification stamp _____

Date _____

Engine Installation Record

Engine installed to aircraft ZS-1SJ Position on Aircraft Front - Engine
Total Engine time 1105.7 Total Engine Cycles NIA
Total time since overhaul _____ Total Cycles since Overhaul _____
Approval Number of organisation who performed the maintenance PC-4
Type of maintenance performed shockload inspection overhaul repair other

I hereby certify that in carrying out the abovement installation all applicable conditions and requirements as required by the Civil Aviation Regulations, as amended have been met.

Engine installed by Textron Aviation Signature _____
AME Number _____ AMO stamp _____ Date 02 October 2023



(Note 1. Attach CRMA pertaining to this maintenance to page 8 at the note 1 position)

Engine Removal Record

Engine removed from Z _____ Total Engine Time _____ Total Engine Cycles _____
Reasons for removal _____

Engine removed by _____ Signature _____
AME Number _____ AMO stamp _____ Date _____

Engine Installation Record

Engine installed to aircraft Z _____ Position on Aircraft _____
Total Engine time _____ Total Engine Cycles _____
Total time since overhaul _____ Total Cycles since Overhaul _____
Approval Number of organisation who performed the maintenance _____
Type of maintenance performed shockload inspection overhaul repair other

I hereby certify that in carrying out the abovement installation all applicable conditions and requirements as required by the Civil Aviation Regulations, as amended have been met.

Engine installed by _____ Signature _____
AME Number _____ AMO stamp _____ Date _____

(Note 2. Attach CRMA pertaining to this maintenance to page 8 at the note 2 position)

Engine Removal Record

Engine removed from Z _____ Total Engine Time _____ Total Engine Cycles _____
Reasons for removal _____

Engine removed by _____ Signature _____
AME Number _____ AMO stamp _____ Date _____

Paste copies of engine maintenance history here see note at (2) in the CRMA

Work performed by GESSNA AIRCRAFT COMPANY Certificate No. PC-4 Date JUL 02, 2015

I certify that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the Federal Aviation Administration

Signature: Michelle Williams

Work inspected by Michelle Williams Certificate No. PC-4 Date JUL 02, 2015

Permitt: details of this maintenance are on file at our facility under the above Work/Service Order Number as applicable.

This engine serviced with 11 qts Phillips Aviation Oil Type XCZDWSO and Champion CH48110-1 filter.

Engine Model: T10-540-AJ1A Serial Number: L-14152-61E has been installed on aircraft S/N T20009178

TTSN was 2.8

with TAP

A/C Serial #	A/C Unit #	A/C Registration #	Date	City ID	Total A/C Hours	Total A/C Landings	Total Engine HRS	Total Prop Hrs
T20009178	9178	N55355	JUL 02 2015	IDP	2.8	3	2.8	2.8

Paste copies of engine maintenance history here see note at (1) in the CRMA

ENGINE COMPONENT RECORD

Note at the time of opening this logbook this must be completed

Component	Serial Number	Total Time	Total Cycles	Overhauled by	Release certificate number

Form ET-901 (Rev 10/10)

LYCOMING Record of Accessories and Major Parts Shipped with Engine

Model No: **TIO-540-AJ1A** Serial No: **L-14152-61E** ENPL: **ENPL-RT10658**
 Order No: **ARR14152** TC No: **E14EA** Date: **05-MAR-2015** Inspector: _____

All accessories listed are 0 (zero) time since New or 0 (zero) time since Overhaul. All accessories are new unless part number is succeeded by -85 or -70

Part Name	Part Number	Manufacture	Serial#	Setting
AB Press. Controller	LW-14445-11	Hartzell Eng	H-RLN00136	
Bypass Valve	LW-18861	Hartzell Eng	H-RLN00143	
Fuel Pump	62E23190	Hartzell Eng	H-SAN036FP	
Injector	61M26613	AVSTAR	AV205992	AV2576562-4
Magneto - Left	66LC35SDNP	SLICK	14120228	
Magneto - Right	66LC35SDNP	SLICK	14120900	
Press. Controller	48B22314	Hartzell Eng	H-RKN00133	
Starter	31B22101	SKY-TEC	F4P-511403	
Turbocharger - Right	46P22250	Hartzell Eng	H-SAL00063	



I hereby certify that the information as recorded above is correct in every respect and reflects the historical record of components fitted to the aircraft and such proof exists.

Name F de Oliveira Signature _____

AME Number _____ AMO certification stamp _____ Date 02 October 2013



MODIFICATIONS EMBODIED

Description of modification

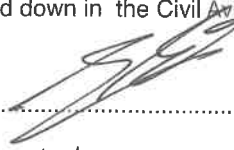
No modifications in previous logbooks

Modification approval number N/A

I hereby certify that in carrying out the modification all applicable conditions as laid down in the Civil Aviation Regulations, as amended have been complied with.

Modification carried out by N/A

Signature



AMO Stamp



Date 02 October 2023

MODIFICATIONS EMBODIED

Description of modification

Modification approval number

I hereby certify that in carrying out the modification all applicable conditions as laid down in the Civil Aviation Regulations, as amended have been complied with.

Modification carried out by

Signature

AMO Stamp

Date

MODIFICATIONS EMBODIED

Description of modification

Modification approval number

I hereby certify that in carrying out the modification all applicable conditions as laid down in the Civil Aviation Regulations, as amended have been complied with.

Modification carried out by

Signature

AMO Stamp

Date

AIRWORTHINESS DIRECTIVE COMPLIANCE RECORD ONE TIME ACTION

AD No	Date	Method of compliance	* Signature	AME/AMO Number
Chapter	Description	Task Info	Compliance	Brought FWD Comp Time
Component:				Next Due A/F
				Est Due Date
				Remaining
L-14152-61E				
CH FAA AD - AIRWORTHINESS DIRECTIVES				
FAA AD	FAA AD 2023-09-09 PARA H	50.00 Hrs (1x)	None	1,155.20 Hrs
FAA AD	FAA AD 2023-09-09 PARA I < 500 FH TIS	500.00 Hrs (1x)	None	1,605.20 Hrs
FAA AD	FAA AD 2023-09-09 PARA I < 500 FH TIS INSP	100.00 Hrs (1x)	None	1,205.20 Hrs
FAA AD	FAA AD 2023-09-09 PARA I < 500 FH TIS INSP	6 Months Link (1x)	None	2024-01-17
FAA AD	FAA AD 2023-09-09 PARA I > 500 FH TIS	50.00 Hrs (1x)	None	1,155.20 Hrs
FAA AD	FAA AD 2017-11-10 (INIT)	10.00 Hrs (1x)	2023-09-20	None
FAA AD	FAA AD 2017-11-10 (RECUR)	25.00 Hrs	2023-09-20	None
				2023-11-12
				2025-04-21
				2024-01-09
				2024-01-17
				1900-01-01
				2023-10-14

	Total time			
	Hrs			
	Date	Method of compliance	* Signature	AME/AMO Number
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	Date	Method of compliance	* Signature	AME/AMO Number

*Note: A signature in this column will be taken as certification that the maintenance specified has been carried out and all requirements as laid down in the Civil Aviation Regulations, as amended have been met in every respect.

AIRWORTHINESS DIRECTIVE COMPLIANCE RECORD ONE TIME ACTION

AD No	Date	Method of compliance	* Signature	AME/AMO Number
NIL	02 Oct 2023	Refer to attached AD List		
	Total time			
	1105.7 Hrs			
	Date	Method of compliance	* Signature	AME/AMO Number
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	Hrs			

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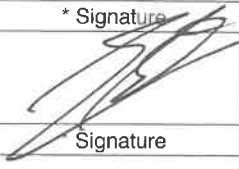

REPETITIVE AIRWORTHINESS DIRECTIVE COMPLIANCE RECORD

AD No	Date	Method of compliance	* Signature	AME/AMO Number
Component: L-14152-61E				
CH FAA AD - AIRWORTHINESS DIRECTIVES				
FAA AD	FAA AD 2023-09-09 PARA H	50.00 Hrs (1x)	None	1,155.20 Hrs
FAA AD	FAA AD 2023-09-09 PARA I < 500 FH TIS	500.00 Hrs (1x)	None	1,805.20 Hrs
FAA AD	FAA AD 2023-09-09 PARA I < 500 FH TIS INSP	100.00 Hrs (1x)	None	1,205.20 Hrs
FAA AD	FAA AD 2023-09-09 PARA I > 500 FH TIS INSP	6 Months Link (1x)	None	2024-01-17
FAA AD	FAA AD 2023-09-09 PARA I > 500 FH TIS	50.00 Hrs (1x)	None	1,155.20 Hrs
FAA AD	FAA AD 2017-11-10 (INIT)	10.00 Hrs (1x)	2023-09-20	None
FAA AD	FAA AD 2017-11-10 (RECUR)	25.00 Hrs	2023-09-20	None

Date	Method of compliance	* Signature	AME/AMO Number
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REPETITIVE AIRWORTHINESS DIRECTIVE COMPLIANCE RECORD

AD No	Date	Method of compliance	* Signature	AME/AMO Number
NIL	02 Oct 2023	Refer to attached AD List		
	Total time			
	1105.7 Hrs			
	Date	Method of compliance	Signature	AME/AMO Number
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	Date	Method of compliance	* Signature	AME/AMO Number
	Total time			
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*Note: A signature in this column will be taken as certification that the maintenance specified has been carried out and all requirements as laid down in the Civil Aviation Regulations, as amended have been met in every respect.

SERVICE BULLETINS/LETTERS/INSTRUCTIONS

NUMBER	Date	Method of compliance	* Signature	AME/AMO Number			
L-14152-61E							
Chapter	Description	Task Info	Compliance	Brought FWD Comp Time	Next Due A/F	Est Due Date	Remaining
Component: CH SB - SERVICE BULLETINS							
SB	SB 653	25.00 Hrs (1x)		None	1,130.20 Hrs	2023-10-14	25.00 Hrs
SB	SB 643	50.00 Hrs (1x)	2023-09-20	None	1,155.20 Hrs	1900-01-01	50.00 Hrs
SB	SB 632 B	10.00 Hrs (1x)	2023-09-20	None	1,115.20 Hrs	1900-01-01	10.00 Hrs
SB	SB 630 A	On Condition		None	n/a	n/a	n/a
SB	SB 628 A	25.00 Hrs (1x)	2023-09-20	None	1,130.20 Hrs	1900-01-01	25.00 Hrs
SB	SB 627 E (<1000 HRS) (INIT)	10.00 Hrs (1x)	2023-09-20	None	1,115.20 Hrs	1900-01-01	10.00 Hrs
SB	SB 627 E (<1000 HRS) (RECUR)	25.00 Hrs	2023-09-20	None	1,130.20 Hrs	2023-10-14	25.00 Hrs
SB	SB 627 E (>1000 HRS) (INIT)	10.00 Hrs (1x)	2023-09-20	None	1,115.20 Hrs	1900-01-01	10.00 Hrs
SB	SB 627 E (>1000 HRS) (RECUR)	50.00 Hrs	2023-09-20	None	1,155.20 Hrs	2023-11-12	50.00 Hrs
SB	SB 627 E (WITH CARBON DETECT) (INIT)	10.00 Hrs (1x)	2023-09-20	None	1,115.20 Hrs	1900-01-01	10.00 Hrs
SB	SB 627 E (WITH CARBON DETECT) (RECUR)	50.00 Hrs	2023-09-20	None	1,155.20 Hrs	2023-11-12	50.00 Hrs
SB	SB 573 R1	On Condition		None	n/a	n/a	n/a
SB	SB 557	On Condition		None	n/a	n/a	n/a
SB	SB 554 SUP 5	On Condition		None	n/a	n/a	n/a
SB	SB 553	On Condition		None	n/a	n/a	n/a
SB	SB 552 R1	On Condition		None	n/a	n/a	n/a
SB	SB 545 A	On Condition		None	n/a	n/a	n/a
SB	SB 533 C	On Condition		None	n/a	n/a	n/a
SB	SB 516 D (INIT)	50.00 Hrs (1x)	2023-09-20	None	1,155.20 Hrs	1900-01-01	50.00 Hrs
SB	SB 516 D (RECUR)	12 Months	2023-09-20	None	2024-09-20	2024-09-20	12 Months
SB	SB 516 A	10.00 Hrs (1x)	2023-09-20	None	1,115.20 Hrs	1900-01-01	10.00 Hrs
SB	SB 482	On Condition		None	n/a	n/a	n/a
SB	SB 480 F	50.00 Hrs	2023-09-20	None	1,155.20 Hrs	2023-11-12	50.00 Hrs
SB	SB 401 A	On Condition		None	n/a	n/a	n/a
SB	SB 389 S	On Condition		None	n/a	n/a	n/a
SB	SB 342 REV G SUP 7	12 Months Link		None	1900-01-01	1900-01-01	-1484 Months

	Hrs			
	Date	Method of compliance	* Signature	AME/AMO Number
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*Note: A signature in this column will be taken as certification that the maintenance specified has been carried out and all requirements as laid down in the Civil Aviation Regulations, as amended have been met in every respect.

SERVICE BULLETINS/LETTERS/INSTRUCTIONS

NUMBER	Date	Method of compliance	* Signature	AME/AMO Number
NIL	02 Oct 2023	Refer to attached SB List		
	Total time			
	1105.7 Hrs			
	Date	Method of compliance	Signature	AME/AMO Number
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	Total time			
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*Note: A signature in this column will be taken as certification that the maintenance specified has been carried out and all requirements as laid down in the Civil Aviation Regulations, as amended have been met in every respect.

**MAINTENANCE AND DEFECT RECTIFICATION ON ENGINE OR ANY RELEVANT MATTER
CONSIDERED NECESSARY TO RECORD OTHER THAN SCHEDULED INSPECTIONS**

Description of maintenance performed	*Signature	AMO Approval Stamp or AME Licence No	Date



P O Box 42, Lanseria, 1748
AMO 173

Tel: 011 548 3000
Fax: 011 548 3032

C.R.M.A. NO.# 1891 & 1847

**CERTIFICATE RELATING TO MAINTENANCE OF AN AIRCRAFT
ENGINE**

REG NO: ZS-ISJ	S/N: T206-09178	HOBBS: 1105.7	LND: N/A
AIRCRAFT TYPE: 2008 CESSNA T206	S/N: L-14152-61E	A/F HRS: 1105.7	ENG TSO: N/A
ENGINE TYPE: T10-540-AJ1A	S/N: 150094	ENG TT HRS: 1105.7	PROP TSO: 408.7
PROPELLER TYPE: MCCAULEY B3D36C432		PROP TT HRS: 1105.7	

ALL RECORD RELATING TO THE INSPECTION OF THE ABOVE ARE HELD AT ABSOLUTE SERVICE CENTRE (PTY) LTD IN JOB NO. # 1891 & 1847

INSPECTIONS:

- 100 HR MPI TO BE CARRIED OUT – 100 HR MPI CARRIED OUT I.A.W. LYCOMING EMM PART 60297-23A 3RD EDITION DATED JANUARY 2013
- MAGNETO # 1 & 2 500HR INSPECTION – CARRIED OUT BY AES REFER TO CRMA:11540
- ENGINE AIR FILTER (500HR) REPLACEMENT – ENGINE AIRFILTER REPLACEMENT CARRIED OUT I.A.W. LYCOMING EMM PART 60297-23A 3RD EDITION DATED JANUARY 2013.

SNAGS:

- OIL LEAKS IN ENGINE BAY DRIPPING ON TURBO SCROLL, TO BE INVESTIGATED AND REPAIRED – OIL LEAKS REPAIRED I.A.W. LYCOMING EMM PART 60297-23A 3RD EDITION DATED JANUARY 2013.
- 6 PUSHROD TUBES DAMAGED FROM REMOVING AND REPLACING SPARK PLUGS, TO BE REPLACED – 6 PUSH TUBES REPLACED I.A.W. LYCOMING EMM PART 60297-23A 3RD EDITION DATED JANUARY 2013.
- TIT INDICATION NOT RESPONDING - GROUND RUNS CARRIED OUT AND FOUND TO BE IN WORKING CONDITION.

AD'S RESEARCHED OR CARRIED OUT:

- NONE CARRIED OUT AT THIS INSPECTION

SB'S RESEARCHED OR CARRIED OUT:

- NONE CARRIED OUT AT THIS INSPECTION

THE AIRCRAFT IS CERTIFIED SAFE FOR FLIGHT.

INSPECTIONS CARRIED OUT PER LYCOMING T10-540 SERIES PARALLEL VALVE CYLINDER HEAD MANUAL PART NUMBER 60297-23A, 3RD EDITION, DATED JANUARY 2013.

I HEREBY CERTIFY THAT, IN CARRYING OUT THE MAINTENANCE SPECIFIED ABOVE, ALL THE REQUIREMENTS PRESCRIBED IN THE CIVIL AVIATION REGULATIONS 201 AS AMENDED, WHICH ARE APPLICABLE THERE TO HAVE BEEN COMPLIED WITH.

DATE: 02 OCTOBER 2023

AMO LICENCE NO.:



NAME: E DE OLIVEIRA

SIGNED:

*Note: A signature in this column will be construed to signify that all maintenance specified and all the requirements prescribed in the applicable Civil Aviation Regulations, as amended have been complied with

Engine Logbook

Date: 08/26/2024



Reg No: N385AM	Aircraft Type: T206H	Aircraft S/N: T20609178
TACH: 1107.6	Hobbs: 1354.4	Aircraft Total Time: 1107.6

1. Adjusted waste gate controller to within range in reference to EMM.
2. Installed serviceable EGT probe on #1-cylinder P/N: 86317 and installed new EGT prob on #2-cylinder P/N: 86317.

This aircraft, airframe, engine, propeller, or appliance identified was repaired and/or inspected in accordance with the current regulations of the Federal Aviation Administration and is approved for return to service for the work performed.

Date:

08/26/2024

Signed:

Nathan Parton

Nathan Parton, AP/IA: 4368564