

Hangar 12
Albury Airport,
NSW 2640

Log

THIS PAGE CONSTITUTES A LOG BOOK ENTRY
The following loose leaf entry is to form a permanent part of this Aircraft's Log Book
in that all maintenance carried out has been so done and certified in accordance with CAR 42ZE.

Aircraft Registration: VH-WLU

Aircraft TTIS: 5024.60Hrs

Date: 14 November 2023

100Hr/Annual Inspection: - carried out IAW the CASA Maintenance Schedule 5, the aircraft Log Book Statement
and the Cessna 100 Series Service Manual.

The following Airworthiness Directives were complied with:

- | | |
|---------------------------|--|
| - AD/GENERAL/87 Amdt.1 | Primary Flight Control Cable Terminals – Detailed visual Inspection. |
| - AD/CESSNA 170/19 Amdt.1 | Pneumatic Stall Warning System. |
| - AD/CESSNA 170/59 Amdt.1 | Horizontal Stabiliser Front Spar, No defects noted. |
| - FAA AD 2011-10-09 | Seat Adjustment Mechanism – Inspection. |
| - AD/AIRIND/2 | Brackett Air Filter – Replacement. |
| - AD/FPF/9 Amdt.1 | Propeller Mount bolts – Inspection and Torque Check |

Additional work this inspection:

- AWB 26-003, Issue: 6 – Portable fire extinguisher inspection and reweigh carried out with unit returned to service.
- SEB07-5R6 – Pilot and co-pilot secondary seat stop installation inspection completed with no noted defects.
- SEB87-04 – Aileron hinge inspection complied with. No noted defects and hinge pins lubricated.
- SEB95-3R1 – Flap Support and Roller Washer Installation inspection completed. No noted defects.
- L/H wing tank sump drain obstructed. Drain removed, cleaned and refitted.
- R/H stabilizer tip – P/n.SA-0532001-00—93 (IPN15753) – replaced with a new item due cracked and brittle.
- Dorsal fin fairing – P/n.0531012-2 (IPN15754) – replaced with a new item
- Oil cooler support bracket firewall attachment rivet replaced due corrosion.
- Nose wheel bearing cups – 2x P/n. LM67010 (IPN 45725) – and cones – 2x P/n.LM67048, (IPN45724) – replaced with new items.
- L/H main wheel outboard bearing set replaced with new and greased prior to installation
- R/H main wheel inboard wheel bearing set replaced with new and greased prior to installation.
- R/H brake calliper removed, cleaned inspected and serviced with a new O ring prior to reinstallation.
- R/H brake system replenished with hydraulic fluid and checked operational.
- Fuel bowl seal – P/n.MS29613-111 (IPN15726) – replaced with a new item.
- Aft spinner bulkhead corrosion removed, treated and repainted prior to installation.
- Ring gear support assembly corroded, cleaned, inspected and primed prior to reinstallation.
- Propeller – P/n.DTM7553, S/n.725200 – refitted following hub corrosion repair on Southern Propeller Services P/L
ARC Form Tracking No.ARC15502.

Maintenance Release No.A318956 issued

Smartair Job No.10295 refers.

Final Certification in all Categories
and as Co-ordinator.

[Signature] 120592

For and on behalf of
SMARTAIR
Certificate of Approval No.C2346

Book Entry



CIVIL AVIATION
SAFETY AUTHORITY
AUSTRALIA

Piston Engine Condition Report

Engine Details

Engine make LYCOMING	Model O-320-E2D	Serial number L-45407-7A
Aircraft make CESSNA	Model 172M	17267300
Engine time since new N/A	Engine time since O/H 2825.20	Date of last O/H 18/12/98
Manf. published TBO 2000Hrs	CASA approved TBO ON CONDITION	Top O/H (carried out) /

Performance Run

OAT 22°C	Airport altitude 540'	Static manifold pressure N/A.
Max/static RPM 2400	Manifold pressure at maximum RPM N/A.	
Fuel pressure/flow N/A.	Cylinder temperature 175	
Oil pressure @ idle (hot) 60 PSI	Oil pressure @ max. RPM 85 PSI.	Oil temperature 150
		Oil consumption (lt/hr) 0.048 L/hr.

Cylinder Leak Rates

Cylinder Number	1. 67 80	2. 77 80	3. 68 80	4. 73 80	5. 80	6. 80	7. X 80
	8. X 80	9. X 80	10. X 80	11. X 80	12. X 80	13. X 80	14. X 80

Oil Filter (if fitted)

Disassembled and inspected for contamination.

Results

OIL FILTER INSPECTION C/O/H. NO DEFECTS EVIDENT.

Remarks

NONE.

Certification

I hereby certify:

Engine serial number L-45407-27A has been inspected in accordance with approved maintenance data and as of the date of this certification the engine is airworthy.

Signed 	Printed name T.J. Mue	Licence Number 120592	Date 13/11/23
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2022

125

Smartair Job No. 9987 Refers

Loose Leaf Log Book Entry

Hangar 12
Albury Airport,
NSW 2640

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The following loose leaf entry is to form a permanent part of this Aircraft's Log Book in that all maintenance carried out has been so done and certified in accordance with CAR 42ZE.

Aircraft Registration: VH-WLU

Aircraft TTIS: 4974.80Hrs

Date: 29 August 2022

100Hr/Annual Inspection: - carried out IAW the CASA Maintenance Schedule 5, the aircraft Log Book Statement and the Cessna 100 Series Service Manual.

The following Airworthiness Directives were complied with:

- AD/GENERAL/87 Amdt.1 Primary Flight Control Cable Terminals - Detailed visual inspection.
- AD/CESSNA 170/19 Amdt.1 Pneumatic Stall Warning System.
- AD/CESSNA 170/59 Amdt.1 Horizontal Stabiliser Front Spar. No defects noted.
- FAA AD 2011-10-09 Seat Adjustment Mechanism - Inspection.

Additional work this inspection:

- CAO 100.5, Appendix 1 - Clauses 3, 4 and 14 complied with by Rob Gray Avionics.
- AWB 26-003, Issue: 6 - Portable fire extinguisher inspection and reweigh carried out with unit returned to service.
- SEB07-5R6 - Pilot and co-pilot secondary seat stop installation inspection completed with no noted defects.
- SEB87-04 - Aileron hinge inspection complied with. No noted defects and hinge pins lubricated.
- SEB95-3R1 - Flap Support and Roller Washer Installation inspection completed. No noted defects.
- Vertical fin top fairing replaced with a new item due age deterioration.
- EGT gauge replaced with a serviceable, as removed item and checked operational.
- New R/H main wheel tyre - P/n.072-314-0, S/n.1284T00044 - and tube fitted due wear to limits.
- Rudder pedals transposed between P1 and P2 positions due wear with a duplicate inspection complied with.

1ST Inspection:

2ND Inspection:

- Nose gear steering rod boots - P/n.MC0543015-6 - replaced with new items per McFarlane installation instructions.
- Two - P/n.L704-1P, S/n.33216/33217 - seat belt assemblies repaired and refitted on Air Safety Solutions P/L CASA Form 1, Tracking No.10060.
- Landing/taxi light globe in engine cowl renewed.
- Co-pilot seat rollers and washers renewed due wear.
- New stall warning horn - P/n.0713348-1 - installed and checked operational.

Maintenance Release No.A238666 issued

Smartair Job No.9987 refers.

Final Certification and
as Co-ordinator:

For and on behalf of
SMARTAIR
Certificate of Approval No.C2346

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BOOK ENTRY WHEN AFFIXED TO A PAGE IN THE APPROPRIATE LOGBOOK, AND THE PAGE IS NOTED ACCORDINGLY.

JOB # 9540 AFHRS: 4977.6 DATE: 21.SEP.2022

At this time:
B & transponder upgrade. The following equipment was removed
IAW Fdn Aviation EO # EA

The aircrafts equipment list, weight & balance data were updated accordingly.

Instrument & Transponder calibrations & tests were carried out to comply with CAO 100.5 App 4, 5 & 14 (AD/RAD/47A4). A magnetic compass swing was carried out IAW AWB34-008 Issue 1 compass calibration card was installed. Pertinent calibration figures have been listed below.

ALTIMETER													
FEET	1000	2	3	4	5	6	8	10	12	14	16	18	20
ERRORS	0	0	0	0	0	0	0	-10	-10	-20	-30	-30	-40

ASI KNOTS													
FOR	30	40	60	80	100	120	140	160	180	200	220	240	260
READ	-	40	60	80	100	120	141	160	-	-	-	-	-

COMPASS SWING													
FOR	N	30	60	E	120	150	S	210	240	W	300	330	
STEER	360	030	059	088	118	149	178	205	235	266	298	330	

The other following additional work was carried out at this time:
The ADF indicator was removed. Its internals were cleaned and its motor bearings were serviced. It was then reinstalled. Multiple poor joints and a bad earth in the ADF system rectified. A function test of the ADF system was then COND. The pilot's & co-pilot's PTT switch GMA 345 audio panel electrical wiring shielding grounds were reconnected IAW the Garmin GN panel installation manual. 2 x damaged audio panel rack mounting clip nuts were renewed. The (old) speaker wiring located in the cabin roof area, hand mic & rear seat phone & mic jac connection wiring (all from previous systems) was removed. Loose electrical terminals on the aircraft were reconnected. The aircraft hand lining, various interior trim sections, & the aircraft

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THIS PAGE CONSTITUTES A LOGBOOK ENTRY WHEN AFFIXED TO A PAGE IN THE APPROPRIATE SECTION OF THE AIRFRAME LOGBOOK, AND THE PAGE IS NOTED ACCORDINGLY.

VH-WLU TYPE: C172M JOB # 9540 AFHRS: 4977.6 DATE: 21 SEP 2022

The following work was carried out at this time:

In preparation for a VHF Com, ADS-B & transponder upgrade. The following equipment was removed and installed, configured and tested IAW Edge Aviation EO # EA_

Description	Manufacturer	PN	SN	ARC
Removed				
AVIONICS COOLING PANELS	TKM	MX300	10642	
VOLTAGE FILTER				
COM WIRING	ARC	45010-1000	4439	
COURSE INDICATOR				
MISC WIRING				
Installed				
AVIONICS MASTER SWITCH	GARMIN	W31X2MIG-35	P02868	
GARMIN GDL-50R		010-01561-11	48E19020	
TN72	TRIG	01655-00-01	3251	TNL 02098
AERA 660 PANEL DOCK	AIR GIZMOS	11-14552	3778276	
COM2 ANTENNA	COMANT	C1-121	650276	23937
SV TRANSDUCER ANTENNA	Dynon	102608-000	IN809246	
GA25MVC GPS ANTENNA	GARMIN	013-00202-00		
GA35 GPS ANTENNA	GARMIN	013-00235-00	208698	198250366-22
AERA 660	GARMIN	010-01518-02	20793205	
TY96A	TRIG	01788-00-01	6197	TNL 02100
TY96A	TRIG	01788-00-01	6268	TNL 02100
PAX 1-2 PHONE/MIC WIRE				
COM 1-2 WIRING				
AERA 660 BARE WIRE KIT	GARMIN			
TN72-GDL-XPND-660 WIRING				
COM2 ANTENNA COAX				
ADS8 ANTENNA COAX				
GA35 COAX				

The aircrafts equipment list, weight & balance data were updated accordingly.

Instrument & Transponder calibrations & tests were carried out to comply with CAO 100.5 App1 clauses 3, 4, 5 & 14 (AD/RAD/744). A magnetic compass swing was carried out IAW AWE34-008 Issue 2 and a new compass calibration card was installed. Ferment calibration figures have been listed below.

		ALTIMETER											
ERRORS		0	1	2	3	4	5	6	7	8	9	10	11
FOR	30	40	50	60	70	80	90	100	110	120	130	140	150
READ	-	-	-	-	-	-	-	-	-	-	-	-	-

		COMPASS SWING											
STEER		360	090	180	270	360	090	180	270	360	090	180	270
FOR	N	30	60	90	120	150	180	210	240	270	300	330	360
STEER	360	090	180	270	360	090	180	270	360	090	180	270	360

The other following additional work was carried out at this time:

The ADF indicator was removed. Its internal parts were cleaned and its motor bearings were serviced to rectify its operation. It was then reinstalled. Multiple poor joints and a bad earth in the ADF system wiring were rectified. A function test of the ADF system was then COND. The pilot's & copilot's PTT switch wiring & the GMA 345 audio panel electrical wiring shielding grounds were reconnected IAW the Garmin GMA 345 audio panel installation manual. 2 x damaged audio panel rack mounting clip nuts were replaced. The redundant (old) speaker wiring located in the cabin roof area, hand mic & rear seat phone & rnc jacks and their connection wiring (all from previous systems) was removed. Loose electrical terminals on the aircrafts circuit breakers were reinstalled. The aircrafts hood lining, various interior trim sections & the aircrafts upper cowling were removed & reinstalled to facilitate the above listed work. The following work was carried out IAW C172M MM unless otherwise stated.

A Brand (Coordinator)
CASA 150963
21 SEP 2022

FOR AND ON BEHALF OF
HORSHAM AVIATION SERVICE PTY LTD
Certificate of Approval N°: 1503

IFICATION LOG	
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Go to listing: <https://lightaircraftsales.com.au/listings/cessna-172m-skyhawk-ii/>

		WEIGHT & BALANCE LOAD DATA SHEET			
Aircraft Type: <u>Cessna 172M</u>		S/N: <u>17267300</u>		Reg: <u>VH-WLU</u>	
Approved Loading Systems		Aircraft Flight Manual/POH			
AUTHORISED BY		DATE OF ISSUE		DATE OF EXPIRY #	
S. Griffin		30-Sep-2020		Indefinite IAW CAO 100.7	
				ISSUE NUMBER Two	
AIRCRAFT WEIGHT & CENTRE OF GRAVITY DATA					
CONFIGURATIONS					
ITEM	WEIGHT (kg)	ARM (mm)	MOMENT (kg.mm)	INDEX UNIT (IU)*	CONFIGURATION
BASIC EMPTY WEIGHT	677	1038	702801		4 Seats
NOTES					
THE ABOVE WEIGHTS INCLUDE: Unusable fuel, full oils, fire extinguisher, sun-shade, chocks (2), rope, survival kit, step ladder, 1 x box with spare oil (1Qt) & rags.. Refer to equipment list for further details.					
# Date of expiry: (a) the first maintenance release inspection; or (b) the first scheduled maintenance inspection; following the third anniversary of the day on which the aircraft was last weighed.					
The numbers shown above don't display multiple decimals, therefore calculations on displayed numbers may not total.					
DATUM - F.S. 0.0 Engine Firewall					
Approved in accordance with CAO 100.7 Scott Griffin					
Weight Control Authority No. A408723					