Australian Government
Civil Aviation Safety Authority

Engine Certification Log

Engine Type SUPERIOR 10-360

Serial No. 36D131669

Book No. 1

Date	TSN	TSO	Cycles	Maintenance Details and Certifications
3/4/16	Ø	—	—	ENGINE INSTALLED IN RV7A UH-CAK. ENGINE GROUND RUN SATISFACTORY [signature] 4/4/16.
25/6				CHANGE ENGINE OIL + FILTER [signature]
2/9/16				CHANGE ENG OIL + FILTER [signature]
29/10				ADD OIL 1 QUART [signature]
21/1/17				ADD OIL 1 QUART [signature]
2/3/17				CHANGE ENGINE OIL + FILTER [signature]
3/4/17				ADD OIL 1 QUART. [signature]
2/3/2018	47,5			* annual / 100h inspection C/O as per Con sheet 5 and
				Superior M/S.
				* oil drained and replenished with 7 quarts 20W×50
				* Scavenge filter checked no debris
				* oil filter changed, replaced new, no debris found.
				* Sparkplugs cleaned, gapped, checked refitted
				* Compression check C/O. 75/80 76/80 76/80 76/80

Date	TSN	TSO	Cycles	Maintenance Details and Certifications
				* Air filter cleaned, checked, recharged with KEN recharge kit.
				* Firewall grasscolator quick drain oring replaced.
				* Prop. checks C/O and regreased. Aeroshell 6.
				* AD/eng 4/#11 Continuing Airworthiness C/O - no defects
				* New MR issued. A207538.
				FOR AND BEHALF OF OUR ATTICUS TRADING AS CHOICE AVIATION SERVICES 1-F7715-2
				780140.
28/2/2019	116,7			* Annual inspection C/O as per Cessna sheet 5 and Superior M/S.
				* Oil drained, filter changed, no debris in old filter 2 quarts AV100 uplifted
				* Compression checked C/O. ① 75/80 ② 74/80 ③ 75/80 ④ 75/80
				* Spark plugs cleaned, gapped, checked, refitted
				* Airfilter cleaned, checked, recharged with KEN recharge kit
				* Alternator Wiring checked, no defects, charging 13.2 volts.
				* Prop. greased. Aeroshell 6.
				* Prop. CSU adjusted 2 Turns in to maintain 2600 MAX rpm.

Date	TSN	TSO	Cycles	Maintenance Details and Certifications
				* AD/Eng/14 #1 Continuing Airworthiness. C/O no defects
				* Engine cooling fins freed. adjusted to set flush.
				* Rec. MR issued. A206476.
				FOR AND BEHALF OF OUR ATTICUS TRADING AS CHOICE AVIATION SERVICES 1-F771S-2 780140.
28/2/2020	187,2.			* Annual inspection C/O as per Superior Motors M/S.
				* oil drained and replenished phillips 20w50
				* new oil filter fitted, no debris in old filter
				* Engine timing checked and adjusted 25 BTDC.
				* Airfilter cleaned and recharged K&N recharge.
				* Rec. MR issued A250803.
				FOR AND BEHALF OF OUR ATTICUS TRADING AS CHOICE AVIATION SERVICES 1-F771S-2 780140.

Australian Government
Civil Aviation Safety Authority

Piston Engine Condition Report

Engine Details

Engine make	Model	Serial Number
Superior	SLIO-360-B1CC2	36D131669

Aircraft make	Model	
Vans	RV-7A	VH - CAK

Engine time since new	Engine time since O/H	Date of last O/H
326.2	326.2	3/04/2016

Manf. Published TBO	CASA approved TBO	Top O/H (carried out)
2000 / 12 years	-	-

Performance Run

OAT	Airport altitude	Static manifold pressure
31 deg C	30 feet	30 inHg

Max/static RPM	Manifold pressure at maximun RPM
2600	29 inHg

Fuel pressure/flow	Cylinder temperature
28 psi	170 deg C

Oil pressure @ idle (hot)	Oil pressure @ max RPM	Oil temeperature	Oil Consumption (lt/hr)
50 psi	85 psi	100 deg C	nil

Cylinder Leak Rates

Cylinder Number	1	2	3	4	5	6	7
	78/80	77/80	78/80	78/80	___/80	___/80	___/80
	8	9	10	11	12	13	14
	___/80	___/80	___/80	___/80	___/80	___/80	___/80

Oil Filter (if fitted)

Disassembled and inspected for contamination.
Results
NIL contamination found

Remarks

Certification

I hereby certify:
Engine serial number 36D131669 has been inspected in accordance with approval maintenance data and, as at the date of this certification, the engine is airworthy.

Signed	Print name	License Number	Date
[signature]	Luke Gallin	527605	1st March 2022

Date	TSN	TSO	Cycles	
2-3-21	267.2	267.2		
1-3-21	326.2	~		

This Constitutes a Final Certification In Accordance with CAR42ZE as a Loose Leaf Log Book Entry

VH-CAK	Vans RV-7A	AFTIS	267.2	SABC Job #	806
Engine S/N - 36D131669		Component TSO	267.2	Issued MR #	66427

Task	Code	Description	Action Taken
		Periodic inspection	Periodic inspection carried out IAW CASA Schedule 5 and log book statement
1	AD/ENG/4 A11	Engine Continuing Airworthiness	Carried out - Nil defects

Cylinder Compression Test / 80 psi - Cyl 1 - 77, Cyl 2 - 78, Cyl 3 - 78, Cyl 4 - 78

LAME: Luke Gallin

Licence: 527605

Signature:

Date: 2nd March 2021

For & on behalf of SABC Maintenance PTY LTD Cert. Of Approval No. C513121

Date - 1st March 2022 Aircraft-VH-CAK S/N -74078 Engine S/N - 36D131669 Engine - SLIO-360-B1CC2 TSO - 326.2

Annual Inspection carried out IAW CASA Schedule 5.

AD/Eng/4 carried out servicable.

Engine compressions

1 - 78 , 2 - 77 , 3 - 78 , 4 - 78

FOR AND ON BEHALF OF SABC MAINTENANCE PTY LTD CERT. OF APPROVAL NO. C513121

Maintenance Release # issued - A165051

Name - Luke Gallin **Signature -** **License - 527605**

For and on behalf of SABC Certificate of approval # C513121- Job number 860

Date	TSN	TSO	Cycles
21/11/22		170 BBS 495.2	
12/1/23		363.2	

GOLDEN BAY MAINTENANCE

This Page Constitutes a Log Book Entry

ENGINE TYPE: SUPERIOR **MODEL: SL-IO-360-B1AD3**
SERIAL No: 360131669 **DATE 21 November 2022**
Tracking No. GBM 110 **T.S.N. 495.2**

EXPERIMENTAL ENGINE ONLY

Engine dismantled and crankshaft replaced to comply with CASA Superior AD 2020-25-12.
Reassembly carried out and ground run satisfactory. Engine hours to continue.
New parts installed:-
Crankshaft AEL36002-1J-N21A S/N FA49 10819#007

2	SL13884A	Bearing	8	SL13521A	Bearing	4	SL16711A Bearing
8	SL75060	Rod Bolt	8	SL12186	Hex Nut	1	SL-STD-2213 Bolt
1	SL75439-1P	Gasket set	1	AA48108-2	Filter		

Fibre Glass air induction system repair carried out.

Signed W Keehner W Keehner 108548

Date - 12th Jan 2023 Aircraft-VH-CAK S/N -74078 Engine S/N - 36D131669 Engine - SLIO-360-B1CC2 TSO - 363.2
Annual Inspection carried out IAW CASA Schedule 5.

Engine compressions
1 - 77 , 2 - 79 , 3 - 76 , 4 - 78

Maintenance Release # issued - A165052

Name - Luke Gallin **Signature -** **License** 527705
For and on behalf of SABC Certificate of approval # C513121- Job number 907

FOR AND ON BEHALF OF SABC MAINTENANCE PTY LTD CERT. OF APPROVAL NO. C513 2[illegible]

ENGINE MAINTENANCE CERTIFICATION LOG

Australian Government
Civil Aviation Safety Authority

Piston Engine Condition Report

Engine Details

Engine make	Model	Serial number
Lycoming	SLIO-360-B1AD3	36D131669

Aircraft make	Model	
AMATEUR BUILT AIRCRAFT	VAN'S RV-7A	**VH-CAK**

Engine time since new	Engine time since O/H	Date of last O/H
405.6		03-04-2016

Manf. published TBO	CASA approved TBO	Top O/H (carried out)
	2,000	

Performance Run

OAT	Airport altitude	Static manifold pressure
31	40	29

Max/static RPM	Manifold pressure to maximum RPM
2,600	

Fuel pressure/flow	Cylinder temperature
35	101

Oil pressure @ idle (hot)	Oil pressure @ max. RPM	Oil temperature	Oil consumption (lt/hr)
43	52	52	0

Cylinder Leak Rates

Cylinder Number

1. 73/80	2. 75/80	3. 72/80	4. 75/80	5. /80	6. /80	7. /80
8. /80	9. /80	10. /80	11. /80	12. /80	13. /80	14. /80

Oil Filter (if fitted)

Disassembled and inspected for contamination.

Results: Nil Contamintation Evident.

Remarks

Certification

I hereby certify:

Engine serial number **36D131669** has been inspected in accordance with approved maintenance data and, as at the date of this certification, the engine is airworthy.

Signed	Printed name	Licence Number	Date
	Frank Ragonese	511650	01-02-2024

FORM 728 (FORMERLY AW028) piston engine condition report 09/1998 Page 1 1

Maintenance Details and Certifications

BAM Burgess Aircraft Maintenance

This Constitutes a Final Certification in Accordance with CAR42ZE as a Loose Leaf Log Book Entry

Job No: CAK-11149
Maintenance Release No: A299734
Expired M/Release No: A165052

VH-CAK Model: VAN'S RV-7A AF Serial #: 74078
AF TTIS: 405.60 AF Cycles: AF Landings:
Component Serial #: 36D131669 TSN: 405.6 TSO:
Annual

Date	TSN	TSO	Cycles
1/2/24	405.6		

ENGI

Date	TSN	TSO	Cycles	Maintenance Details and Certifications
1/2/24	405.6			**This Constitutes a Final Certification in Accordance with CAR42ZE as a Loose Leaf Log Book Entry**
				VH-CAK Model: VAN'S RV-7A AF Serial #: 74078 Job No: CAK-11149 AF TTIS: 405.60 AF Cycles: AF Landings: Maintenance Release No: A299734 Component Serial #: 36D131669 TSN: 405.6 TSO: Expired M/Release No: A165052 **Annual**
				The following maintenance tasks carried out:
				Task **Code** **Description** **Action Taken**
				002 PERIODIC ENGINE 100 Hour / 12 Month Inspection as per CAAP42B-1 Carried out law CAAP42B-1(2.3)
				003 AD/ENG/4 Amdt 11 Piston Engine Continuing Airworthiness Requirements Carried out law AD/ENG/4 AMDT 11
				004 AD/LYC/78 Amdt 6 Thermostatic Oil Cooler Bypass Valve Carried out law AD/LYC/78 AMDT 6 - nil defects evident
				Cylinder compression test/80 PSI: Cyl 1:73 Cyl 2:75 Cyl 3:72 Cyl 4:75
				For and on behalf of Burgess Aircraft Maintenance Pty Ltd C of A Number 0777
				Co-ordinator's Name: Frank Ragonese **Signature:** ..... **Licence:** 511650 **Date:** 01/02/2024

Australian Government
Civil Aviation Safety Authority

Piston Engine Condition Report

Engine Details

Engine make	Model	Serial number
Lycoming	SLIO-360-B1AD3	36D131669

Aircraft make	Model	
AMATEUR BUILT AIRCRAFT	VAN'S RV-7A	VH-CAK

Engine time since new	Engine time since O/H	Date of last O/H
445.1	445.1	03-04-2016

Manf. published TBO	CASA approved TBO	Top O/H (carried out)
	2,000	

Performance Run

OAT	Airport altitude	Static manifold pressure
32	40	28.7

Max/static RPM	Manifold pressure to maximum RPM
2,700	

Fuel pressure/flow	Cylinder temperature
36	190

Oil pressure @ idle (hot)	Oil pressure @ max. RPM	Oil temperature	Oil consumption (lt/hr)
35	72	78	0

Cylinder Leak Rates

Cylinder Number

1.	2.	3.	4.	5.	6.	7.
72/80	79/80	72/80	77/80	/80	/80	/80

8.	9.	10.	11.	12.	13.	14.
/80	/80	/80	/80	/80	/80	/80

Oil Filter (if fitted)

Disassembled and Inspected for contamination.

Results

Nil contamination evident.

Remarks

Fuel flow in LPH

Certification

I hereby certify:

Engine serial number 36D131669 has been inspected in accordance with approved maintenance data and, as at the date of this certification, the engine is airworthy.

Signed	Printed name	Licence Number	Date
	Alastair Hall	435034	11-02-2025

FORM 728 (FORMERLY AW028) piston engine condition report 09/1998 Page 1 1

Maintenance Details and Certification

This Constitutes a Final Certification in Accordance with CAR42ZE as a Loose Leaf Log Book Entry

VH-CAK Model: VAN'S RV-7A AF Serial #: 74078

AF TTIS: 105.60 AF Cycles: AF Landings:

Job No: CAK-11188

Maintenance Release No:

Burgess Aircraft Maintenance

Date	TSN														
11/2/25	445.1														
TSO															
Cycles															

EN

Date	TSN	TSO	Cycles	Maintenance Details and Certifications
11/2/25	445.1			

This Constitutes a Final Certification in Accordance with CAR42ZE as a Loose Leaf Log Book Entry

VH-CAK Model: VAN'S RV-7A AF Serial #: 74078 — Job No: CAK-11188

AF TTIS: 405.60 AF Cycles: AF Landings: — Maintenance Release No:

Component Serial #: 36D131669 TSN: 405.6 TSO: 405.6 — Expired M/Release No:

Burgess Aircraft Maintenance

Leak in Both Fuel Tanks

The following maintenance tasks carried out:

Task	Code	Description	Action Taken
002	Additional Work	Spark Plugs U/S	All spark plugs replaced and tested ok as per Lycoming OHM.

For and on behalf of Burgess Aircraft Maintenance Pty Ltd C of A Number 0777

Co-ordinator's Name: James Veall **Signature:**..... **Licence:** 130053 **Date:** 23/04/2024

Page 1 of 1

This Constitutes a Final Certification in Accordance with CAR42ZE as a Loose Leaf Log Book Entry

BAM

VH-CAK Model: VAN'S RV-7A AF Serial #: 74078 — Job No: CAK-11570

AF TTIS: 445.10 AF Cycles: AF Landings: — Maintenance Release No: A334665

Component Serial #: 36D131669 TSN: 445.1 TSO: 445.1 — Expired M/Release No: A299734

Burgess Aircraft Maintenance

Annual

The following maintenance tasks carried out:

Task	Code	Description	Action Taken
002	PERIODIC ENGINE	100 Hour / 12 Month Inspection as per CAAP42B-1	Carried out law CAAP42B.1.
003	AD/ENG/4 Amdt 11	Piston Engine Continuing Airworthiness Requirements	Carried out law AD/ENG/4 AMDT 11 - NDE
004	AD/LYC/78 Amdt 6	Thermostatic Oil Cooler Bypass Valve (Check for relevance)	Carried out previously at 378 TTIS - Not due until 1003hrs
005	SB480F	50 hour oil and filter	Carried out law SB480F - NDE
006	SB-00080 REV 2	Inspection of EA-00002 Oil Cooler for Possible Leaks - Check for compliance	SB-00080 REV 2 not relevant to this aircraft.

Cylinder compression test/80 PSI:

Cyl 1:72 Cyl 2:79 Cyl 3:72 Cyl 4:77

For and on behalf of Burgess Aircraft Maintenance Pty Ltd C of A Number 0777

Co-ordinator's Name: Alastair Hall **Signature:**..... **Licence:** 435034 **Date:** 11/02/2025

Australian Government
Civil Aviation Safety Authority

Piston Engine Condition Report

Engine Details

Engine make	Model	Serial number
Lycoming	SLIO-360-B1AD3	36D131669

Aircraft make	Model	
AMATEUR BUILT AIRCRAFT	VAN'S RV-7A	VH-CAK

Engine time since new	Engine time since O/H	Date of last O/H
456.7	456.7	03-04-2016

Manf. published TBO	CASA approved TBO	Top O/H (carried out)
	2,000	

Performance Run

OAT	Airport altitude	Static manifold pressure
28	40	10.4

Max/static RPM	Manifold pressure to maximum RPM
2,690	28.8

Fuel pressure/flow	Cylinder temperature
37	190

Oil pressure @ idle (hot)	Oil pressure @ max. RPM	Oil temperature	Oil consumption (lt/hr)
32	73	70	1

Cylinder Leak Rates

Cylinder Number	1.	2.	3.	4.	5.	6.	7.
	75/80	75/80	75/80	75/80	/80	/80	/80

8.	9.	10.	11.	12.	13.	14.
/80	/80	/80	/80	/80	/80	/80

Oil Filter (if fitted)

Disassembled and inspected for contamination.

Results

Remarks

Certification

I hereby certify:

Engine serial number **36D131669** has been inspected in accordance with approved maintenance data and, as at the date of this certification, the engine is airworthy.

Signed	Printed name	Licence Number	Date
	James Veall	130053	09-04-2026

Date	TSN	TSO	Cycles	
9/4/26	456.7	456.7		

This Constitutes a Final Certification in Accordance with CAR42ZE as a Loose Leaf Log Book Entry

BAM Burgess Aircraft Maintenance

VH-CAK Model: VAN'S RV-7A AF Serial #: 74078 Job #: CAK-11947

AF TTIS: 456.70 AF Cycles: AF Landings: M/R #:

Component Serial #: 36D131669 TSN: 456.7 TSO: 456.7 Expired M/R #: A334665

Periodic Airframe and Engine

The following maintenance tasks carried out:

Task	Code	Description	Action Taken
001	PERIODIC AIRFRAME	100 Hour / 12 Month Inspection as per CAAP42B-1	C/O IAW CAAP42B-1 v2.3.
002	PERIODIC ENGINE	100 Hour / 12 Month Inspection as per CAAP42B-1	C/O IAW CAAP42B-1 v2.3.
004	AD/ENG/4 Amdt 11	Piston Engine Continuing Airworthiness Requirements	C/O IAW AD/ENG/4 AMDT 11, NDE.
005	AD/LYC/78 AMDT 6	Thermostatic Oil Cooler Bypass Valve (Check for relevance)	N/A Due P/N starts with (SL). Locking nut is held in position with roll pin. NOT crimped as per AD/LYC/78 AMDT 6.
010	SB480F	50 hour oil and filter	C/O IAW SB480F, NDE.

The following additional work carried out:

The following relevant parts were used:

Part #	Description	GRN	Task	Quantity
AA48108-2	Oil Filter thread 3/4-16	2178	002	1
W100PLUS	W100 Plus Oil	2209	002	8

Cylinder compression test/80 PSI:

Cyl 1:75 Cyl 2:75 Cyl 3:75 Cyl 4:75

For and on behalf of Burgess Aircraft Maintenance Pty Ltd C of A Number 1977

Co-ordinator's Name: James Veall **Signature:**..... **Licence:** 130053 **Date:** 09/04/2026