

AIRCRAFTLog Book No. 1.

Nationality and

Constructor FAIRCHILDRegistration Marks G-SEDCType F-24-W46 Constructor's No. W46342 Date of Construction JAN 1947.**ENGINES****PROPELLER(S)**Type(s) WARNER SS-165 Type(s) CURTIS REED 55518S/No 3167-AS/No M12031**OPERATOR**

Name and Address _____

Name and Address _____

Name and Address _____

Name and Address _____

the applicable requirement annotated in Column B and in that respect the aircraft/equipment is considered fit for release to service.

Aircraft:

Signature Authority Date

Applicable Requirement for Release to Service

8

1 2 3 4

PERMIT RE-NEWAL INSPECTION CARRIED OUT
1.9.W SPARS 17 @ 2097:16 TOTAL A/F HRS
NO FAULTS AT THIS TIME

[Signature]

11.5.20

838

✓

AD 47-50-09 DUE AT 2193 TOTAL TIME

THE ABOVE PERMIT WAS NOT USED AS THE
AIRCRAFT WAS AWAITING SPARES FROM USA.
AFTER DEVELOPING A ELECT. GEN FAULT.

[Signature]
27.10.20

838

✓

PERMIT RE-NEWAL INSPECTION CARRIED OUT
1.9.W SPARS 17 @ 2089:15 A/F HRS -
NO FAULTS AT THIS TIME.

[Signature]

21.12.20

838

✓

AD 47-50-09 DUE AT 2197 TOTAL A/F HRS

the applicable requirement annotated in Column 8 and in that respect the aircraft/equipment is considered fit for release to service

Aircraft

Signature
Authority
Date
7

Applicable
Requirement
for Release
to Service

8

1 2 3 4

PERMIT RE-NEWAL INSP. CARRIED OUT. (DEFAULT
TADS 000.) SPACK USED AS GUIDANCE @
2115:40 AIF MES. NO FAULTS AT THIS TIME

} R. H. C.
19.4.22
R 238

✓

BRINKLEY - PROPELLER

PROPELLERS • LANDING GEAR • NON-DESTRUCTIVE TESTING

Log Book Entry

Propeller Type
5551B-10

Serial Number
M-12031

ESAS Form 1 Ref
BP03987

Job Reference
P58974

Propeller T.S.N. N/K

Propeller T.S.O. N/K

Propeller T.B.O. N/A

Repaired IAW Manuals ASTME-1444-16e1, ASTME-1417-16

BLADE TYPE

Blade # 1 S/No

Blade # 4 S/No

Blade # 2 S/No

Blade # 5 S/No

Blade # 3 S/No

Blade # 6 S/No

Advisory Directives No ADs applicable this time.

Service Letters No SLs applicable this time.

Service Bulletins No SBs applicable this time.

Remarks Propeller NDT and balance.

Propeller, front cone, rear cone and mount nut NDT carried out (No evidence of cracking found). Propeller check balance carried out.

Manual Ref:- ASTME-1444-16e1, ASTME-1417-16

THIS FORM DOES NOT CONSTITUTE AN FAA OR EASA RELEASE. ISSUED FOR TRACEABILITY REASONS ONLY IAW CAA REQUIREMENT.

Details of all works are held on file under the job reference number shown above.

Date

Name

Signature

Stamp

7-March-2019

C. Darlow



VINTAGE ENGINE TECHNOLOGY LIMITED

REBUILDERS OF VINTAGE AND OUT-OF-PRODUCTION AERO ENGINES

LOG BOOK CERTIFICATE AND RELEASE TO SERVICE

Certificate No. 1835

Page 1 of 1

Engine/Component:- Warner Super Scarab Model 165HP, S/N 3167A, installed in G-SEDC

Ground run -

Start up 1000rpm oil 63psi at 70°F
1500rpm oil 70psi at 80°F
1600rpm mag drops = 25 both
W.O.T. 1950rpm at 70psi at 85°F
Idle 450rpm at 60psi at 85°F

Note – max rpm with a 5518 Curtiss fixed pitch propeller 82" dia
All parameters recorded from cockpit gauges.

Notes

- Manual references – Warner Engine Handbook, Super Scarab 165/185 Edition 1946
- Details of work held on Project File Ref. 15 6 2457

The work recorded above has been carried out in accordance with the requirements of the Air Navigation Order for the time being in force and in that respect the aircraft/equipment is considered fit for Release to Service.

Date:- 29th July 2019

APPROVAL BCAR A8-23(MI)

Signature:-

Fullers Hill, LITTLE GRANSDEN AIRFIELD, Sandy, Beds, SG19 3BP, England
Telephone: 01767 651794 Overseas: + 44 1767 651794 Email: mail@vintech.aero

VINTAGE ENGINE TECHNOLOGY LIMITED

REBUILDERS OF VINTAGE AND OUT-OF-PRODUCTION AERO ENGINES

LOG BOOK CERTIFICATE AND RELEASE TO SERVICE

Certificate No. 1755
Page 1 of 2

Engine/Component:- Warner Super Scarab Model 165HP
Serial No:- 3167A
Engine overhauled.

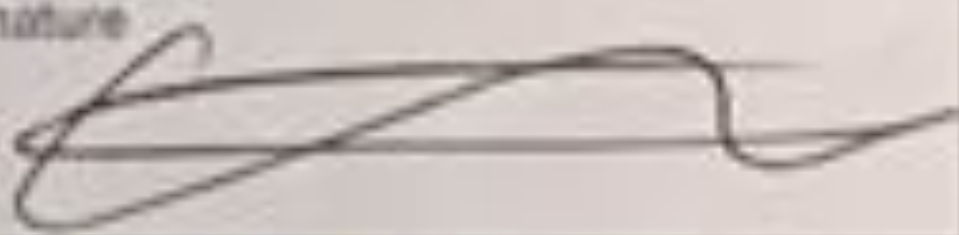

- The following tested accessories re-fitted:-
 - Magneto, port – Bendix Scintilla Type VMN7DF, S/N P010458.
 - Magneto, starboard – Bendix Scintilla Type VMN7DF, S/N IP023234.
- The following accessory overhauled/tested fitted:-
 - Carburettor – Holley Type 419, P/N A-2418-B, S/N 50523A.
- The following accessory inspected and re-fitted:-
 - Starter motor Eclipse P/N 397-6-E80, S/N 253.

Cont.....

APPROVAL BCAR A8-23(M1)
Fullers Hill, LITTLE GRANSDEN AIRFIELD, Sandy, Beds, SG19 3BP, England.
Telephone: 01767 651794 Overseas: + 44 1767 651794 Email: mail@vintech.acro

VEVL 12/03

Details of all works are held on file under the job reference number shown above.

Date March-2019	Name C. Darlow	Signature 	Stamp 
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Form 131 Rev.1

Tel: +44 (0)1767 314954 Email: info@brinkley-propeller.com

www.brinkley-propeller.com



CERTIFICATE OF REGISTRATION OF AIRCRAFT

CERTIFICATE NUMBER G-SEDC/R1

1 Nationality and Registration Marks G-SEDC	2 Manufacturer and Manufacturer's Designation of Aircraft FAIRCHILD ENGINE AND AIRPLANE CORPORATION FAIRCHILD 24W-46	3 Aircraft Serial Number W46342
4.5 Name and Address of Registered Owner or Charterer		



PERMIT TO FLY - CERTIFICATE OF VALIDITY

National Permit Validity Reference: G-SEDC/DAI/1172/48/09112020

Pursuant to the Article 41(4) of the Air Navigation Order 2016 of the United Kingdom and CAP 563 BCAR Section A Chapter A3-7,

Light Aircraft Association
Turweston Aerodrome, Nr Brackley, Northants, NN13 5YD
Approval Reference: DAI/1172/48

certifies that in respect of the following aircraft:

Aircraft Manufacturer: **FAIRCHILD ENGINE AND AIRPLANE CORPORATION**

Manufacturer's Designation: **FAIRCHILD 24W-46**

Aircraft Registration: **G-SEDC**

Aircraft Serial Number: **W46342**

An airworthiness review has been satisfactorily completed.

Date of issue: **09/11/2020**

Date of Expiry: **08/11/2021**

Signed

Name: **Adele Cooney**

LAA Form 7 (July 2019)

August 2019

NOTES (4) The person in whose name an aircraft is registered may or may not be its legal owner. Prospective purchasers are warned, therefore, that this Certificate of Registration is not proof of legal ownership.
(5) No entries or endorsements may be made in this Certificate issued by the Civil Aviation Authority.

SEE FURTHER NOTES OVERLEAF

Certificate No:

PR070388/002

UNITED KINGDOM
CIVIL AVIATION AUTHORITY
PERMIT TO FLY



Nationality and Registration Marks	Constructor and Constructor's Designation of Aircraft	Aircraft Serial Number
G-SEDC	FAIRCHILD ENGINE AND AIRPLANE CORPORATION FAIRCHILD 24W-46	W46342

CLASSIFICATION: FIXED-WING LANDPLANE

This Permit to Fly issued pursuant to the Air Navigation Order, hereby permits this aircraft to fly within United Kingdom airspace only without a Certificate of Airworthiness being in force in respect thereof. This permission for flight within United Kingdom airspace does not constitute a Certificate of Airworthiness issued pursuant to the Convention on International Civil Aviation dated 7 December 1944.

This Permit to Fly is issued subject to the Conditions listed on subsequent pages and Light Aircraft Association (LAA) Operating Limitations.

A CERTIFICATE OF VALIDITY FORMS PART OF THIS PERMIT TO FLY

The Certificate of Validity will be issued or renewed by an appropriately approved organisation, upon being satisfied with the design, construction and airworthiness of the aircraft. The Certificate of Validity will remain valid for the period prescribed from the date of issue.

Date: 15 NOV 2019


for the Civil Aviation Authority



No entries or endorsements may be made on this Permit or the Certificate of Validity except by an authorised person. If either document is lost, the Civil Aviation Authority should be informed at once. Any person finding these documents should forward them immediately to the Civil Aviation Authority, Safety and Airspace Regulation Group, Aviation House, Gatwick Airport South, West Sussex, RH6 0YR.



Planeweighs Limited

Aircraft weighing & technical services

Unit 14, Cowich Court,
Parslow Business Park,
Valley Way,
Surrey SA8 8PA.
Tel: + 44 (0)1792 310000
Fax: + 44 (0)1792 310004

WEIGHT AND CENTRE OF GRAVITY SCHEDULE

REF NUMBER: PWL 19003

AIRCRAFT DESIGNATION: Fairchild 24W-40

NATIONALITY AND REGISTRATION MARK: G-SEDC

CONSTRUCTOR: Fairchild Engine & Airplane Corp

CONSTRUCTOR'S SERIAL NUMBER: W46343

CENTRE OF GRAVITY LIMITS: (+16.3) to (+25.50) inches Aft of Datum

MAX AUTHORISED WEIGHT: 2562 lbs

PART A. BASIC WEIGHT

The Basic Weight of the aircraft as calculated from Weighing Report Planeweighs no 19003 dated the 06-Aug-19 is: **1849** lbs.

The Centre of Gravity of the aircraft in the same condition, at this weight and with the landing gear extended is: **17.24** inches Aft of the Datum.

The total moment about the datum in this condition is: **31874** lbs inches.

NOTE: The datum is the one to which the limits in the Certificate of Airworthiness of Flight Manual refer and is defined as:

Wing Leading Edge

The Basic Weight includes the weight of **0.0** lbs unusable fuel and the weight of the following items, which comprise the Basic Equipment:

ITEM

Fire extinguisher

Garmin GPS

Garmin com

Garmin GTX328 transponder

Refer to owner's checklist for complete list of equipment installed

Airworthiness Directive

Federal Register Information

Header Information

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 39

AD 51-04-02

PDF Copy (if Available)

Preamble Information

Regulatory Information

51-04-02 WARNER. Applies to All Engines Except Those With the Letter "A" Stamped After the Serial Number on the Engine Nameplate. The Letter "A" Indicates That the Modifications Hereinafter Discussed Have Already Been Accomplished.

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Warner

Aircr

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		
CERTIFICATE OF AIRWORTHINESS		
1. AIRCRAFT REGISTRATION NUMBER N77642	2. AIRCRAFT TYPE AND MODEL STARDAD	
3. This Certificate of Airworthiness is issued pursuant to the Civil Air Regulations of 1918 as amended. The aircraft identified herein is certified airworthy when maintained and operated in accordance with the Civil Air Regulations and applicable aircraft Operation Limitations.		
4. This Certificate will remain in effect as long as the aircraft is maintained in accordance with Part 43 of the Civil Air Regulations when considered, suspended, revoked, or a termination date is otherwise established by the Civil Air Regulations Board.		
5. DATE OF ISSUE 7-15-57	6. ISSUING OFFICE Harrisburg, Pa.	7. AIRCRAFT IN CHARGE 4-13
8. Any alteration or misuse of this Certificate is punishable by a fine of not exceeding \$1,000 or imprisonment not exceeding 2 years, or both.		

from failure of the
replacements

51 and at each

to a torque of

nds for the

have stretched

is found loose.

200 inch-pounds

replacing 5/16-

each studs and nuts.)
B. Compliance not required, but will eliminate foregoing mandatory inspections.
1. Replace cylinder stud P/N S506 and nut N-511 with 3/8-inch stud S-911 and nut N-910.
2. Replace gasket between cylinder barrel and crankcase with an "O" type ring.
3. Stamp letter "A" after serial number on engine nameplate when this modification has been completed.
(Warner Service Letter No. A-17 explains the details connected with the replacement of these parts.)
The Warner Aircraft Co., P. O. Box 229, Niles, Mich., which purchased the assets of the

ENGINE DESCRIPTION

Mfgr.	Warner Aircraft Corp.	Place	Detroit Mich	Date
Type	Model	55-165	Serial No.	
Rated H. P.	165	Maximum H. P.	175	Weight (Dry)
Rated R. P. M.	2150	Maximum R. P. M.	2250	Oil Pressure
Bore	Stroke	Displacement		Cu. In.
Compression Ratio	Supercharger Ratio	Gear Ratio		
Propeller	Hub Design	Hub Serial No.		
Blade Design	Blade Serial No.	L-4138	Blade Serial No.	
Maximum Hub H. P.		Maximum Blade H. P.		
Pitch	Diameter	Length		
Owners Name		City		
Address		State		

ENGINE LOG #2
AND MAINTENANCE RECORD
Type AP-13

Record of WARNER 165
Make Model Serial

From 3-2-58 19 To 19

Detalling Time From 698:20 To
~~794:54~~
Hours—Minutes Hours—Minutes

ENGINE DATA

(THIS PAGE MUST BE FILLED OUT COMPLETELY)

MANUFACTURER WARNER MODEL SS-165 SERIAL NO. 3167A

DISPLACEMENT _____ OIL PRESSURE 40-100 PSI OIL TEMP. MAX. 200° F

WEIGHT 341 LB. RATED H. P. 165 AT 2100 R.P.M.

OIL GRADE: SUMMER 100 WINTER 80 OIL CAPACITY 4 GAL.

FUEL MINIMUM OCTANE 73 FIRING ORDER 1-3-5-7-2-4-6

MAGNETO TIMING _____ MAGNETO POINT SETTING _____

SPARK PLUG GAP _____

REGISTERED OWNER RECORD

NAME EDWARD R. GRAHAM ADDRESS ROUTE 2, BOX 2109,
CITY YELM STATE WASH. FROM 12-12-77 TO 10-1-80

NAME FRED O. ELLSWORTH ADDRESS 17639 S.E. 293RD PLACE
CITY KENT, STATE WASH. 98031 FROM 10-1-80 TO _____

NAME _____ ADDRESS _____
CITY _____ STATE _____ FROM _____ TO _____

NAME _____ ADDRESS _____
CITY _____ STATE _____ FROM _____ TO _____

NAME _____ ADDRESS _____
CITY _____ STATE _____ FROM _____ TO _____

NAME _____ ADDRESS _____
CITY _____ STATE _____ FROM _____ TO _____

AIRCRAFT RECORD — GENERAL INFORMATION

MANUFACTURER FAIRCHILD MODEL F-24-W46 SERIAL W46342REGISTRATION NUMBER 77642 DATE MFG. JAN 1947

ENGINE(S) CURRENTLY INSTALLED.

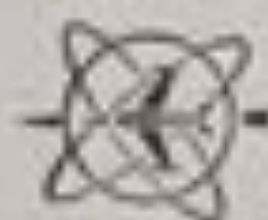
MFG WARNER MODEL SS-165 SERIAL 3167-A

MFG _____ MODEL _____ SERIAL _____

PROPELLER(S) CURRENTLY INSTALLED.

MFG ~~SEAFORTH~~ CURTIS REED MODEL ~~866369~~ 55501 55518HUB MODEL _____ SERIAL M12031 SERIAL _____BLADE MODEL L4138 SERIAL _____ SERIAL _____ SERIAL _____

BLADE MODEL _____ SERIAL _____ SERIAL _____ SERIAL _____

The Standard**AIRCRAFT LOG**

AIRCRAFT DATA

(THIS PAGE MUST BE FILLED OUT COMPLETELY)

MANUFACTURER FAIRCHILD MODEL F-24W46 SERIAL NO. W46342

REGISTRATION NO. 77642 DATE MANUFACTURED JAN. 1947

MAXIMUM WEIGHT 2562 LB. TYPE _____

ENGINE MAKE WARNER MODEL SS-165 SERIAL NO. 3167A

PROPELLER: MAKE SENSENBICH MODEL 86CB 69 BLADE MODEL L4138

AIRCRAFT LOG

YEAR 1964		RECORDING TACH. READING	TIME THIS FLIGHT	TOTAL TIME	REMARKS	SIGNATURE
MO.	DAY			1061-54		
MAY	23	188.42	2+40			J. R. Stevens
"	26		39			SMAY
"	30		10			"
JUNE	3		44			J. R. Stevens
"	4		1-04			J. R. Stevens
"	5		1-35			"
"	6		5-50		MERCED FLY-IN	NEILL J. R. Stevens
"	8		1-15			J. R. Stevens
"	13		1-59		EL MIRAGE	"
"	14		1-43		" "	"
"	17		1-38			"
"	18		2-36	1083-47		"

CARRY TOTAL TIME TO TOP OF NEXT PAGE

DATE	FLIGHT FROM	TO	NATURE OF FLIGHT	DURATION OF FLIGHT	ACCUMULATED TOTAL FLYING TIME		SIGNATURE OF PILOT
19 <u>62</u>					921	42	
9/14	Santa Maria.	CONEJO	FRYING.	25	211		}
9/15	CONEJO	Locat		2 05	9.45	38	
9/16	"	"		3 40			
9/22	"	"		2 10			
9/22	"	"		1 00			
10/27	"	"		2 30			
11/11	"	"		7 45			
11/11	"	"		1 30			
12/2	"	"		2 00	2		
1/16/63	"	"		1 00			
3/10	"	"		2 30			
april 15	"	"		1 10			
CARRY FORWARD THE TOTAL ACCUMULATED FLYING TIME TO THE TOP OF NEXT PAGE					945	35	L. B. Hoffman

EQUIPMENT DESCRIPTION

Propeller	Sensenich		Hub Design		Hub Serial No.	
Blade Design	86CB69		Blade Serial No.	L 4138	Blade Serial No.	
Pitch		Width			Diameter	
Engine	Warner		Model	55-165	Serial No.	3167A
Rated H. P.	165		Bore	4.625 x 4.25	Stroke	
Receiver		Model			Serial No.	
Transmitter		Model			Serial No.	Output
Generator		Model		Serial No.	Amp.	Volt
Starter		Model		Serial No.	Volts	
Power Unit		Model		Serial No.	Volts	

FLIGHT LOG

DATE	NATURE OF FLIGHT	No. Flights	TIME OF FLIGHT		TIME IN AIR		Miles Flown	REMARKS - ADJUSTMENTS REMARKS	SIGNATURE	LICENSE NUMBER
			Up	Down	Hours	Min.				
4-10	X C	2			2	40				
4-11	✓	3			3	00				
4-18	✓	1			2	15				
4-20	✓	2			4	15				
4-21	✓	2			3	25				
4-22	✓	2			1	50				
4-23	✓	3			3	53				
4-24	✓	1				35				
4-25	✓	2			3	20				
4-26	✓	2			4	10				
TOTALS FORWARD						26	50			
TOTALS TO DATE						54	06			

FLIGHT LOG

DATE	NATURE OF FLIGHT	No. Flights	TIME OF FLIGHT		TIME IN AIR		Miles Flown	REMARKS - ADJUSTMENTS REMARKS	SIGNATURE	LICENSE NUMBER	
			Up	Down	Hours	Min.					
4-27	X C	2				45					
4-28	✓	1			3	15					
4-29	✓	4			3	10					
4-30	✓	1			2	30					
5-1	✓	1			1	55					
5-2	✓	3			1	40					
5-3	✓	2				50					
5-4	✓	1			1	15	100 HA CHECK	M. J. Glavin	520524		
5-5	✓	1			2	20					
5-6	✓	2			2	20					
5-7	✓	1				105					
TOTALS FORWARD						54	06				
TOTALS TO DATE						79	16				