

## REGISTRATION NOT TRANSFERABLE

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION CERTIFICATE OF AIRCRAFT REGISTRATION

This certificate must be in the aircraft when operated.

NATIONALITY AND

REGISTRATION MARKS N 1472E

MANUFACTURER AND MANUFACTURER'S DESIGNATION OF AIRCRAFT

**AERONCA** 

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7AC

ICAO Aircraft Address Code: 50137524

SCHWANTZ CHARLES MACON THOMAS SCHWANTZ SHAREE MARK CHU

AZLE TX 76020-1850

This certificate is issued for registration purposes only and is not a certificate of title. The Federal Aviation Administration does not determine rights of ownership as between private

Partnership

AIRCRAFT SERIAL NO.

7AC-5035

It is certified that the above described aircraft has been entered on the register of the Federal Aviation Administration, United States of America, in accordance with the Convention on International Civil Aviation dated December 7, 1944, and with Title 49, United States Code, and regulations issued thereunder.



persons.

U.S. Department of Transportation **Federal Aviation** Administration

EXPIRATION DATE July 31, 2024 AC Form 8050-3 (10/2019) Supersedes previous editions

DATE OF ISSUE

July 31, 2021

**ADMINISTRATOR** 

U.S. Department of Transportation **Federal Aviation** Administration



U.S. POSTAGE >> PITNEY BOWES ZIP 73169 0000375833 AUG 05 2021

Civil Aviation Registry P.O. Box 25504 Oklahoma City, OK 73125-0504

Official Business Penalty for Private Use \$300

AC Form 8050-3 (10/2010) Supersedes previous edition

1472E

TO: SCHWANTZ CHARLES MACON THOMAS

AZLE TX 76020-1850

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ene	MINUTES	ALTITUDE	III. HG.	R. P. M.	HP.	HIN. OCT.		PATED	M. P. H.	H. P.
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## Aircraft Weight & Balance as of 4-22-91 for Champ 7AC, N1972E, s/n 7AC-5035

Eq	uipment List-				
TC	DS_Item#	Equipment	We:	ight	Arm
	1	Prop. Metal	26	lbs.	-52
	101	Carb Ai Heater	2	lbs.	-42
	102	Carb Air Scoop	2	lbs.	-47
	201	Main Landing Wheels	32	lbs.	0
	202	Tail Wheel Assv.	7	lbs.	+186

Optional wheel pants not installed when weighed.

Results of weighing aircraft with full fuel & 3 qts. oil:

Weighing Point	Scale Reading	Tare	Net Weight
Right Main	432 lbs.		430 lbs.
Left Main Tail Wheel	443 lbs. 148 lbs.	-2 lbs.	441 lbs. 63 lbs.
	No. of the last		
	Aircraft a	s weighed:	934 lbs.

As weighed C.G. = 12.8 inches aft of Datum.

Empty Weight & C.G. -

	Weight	X Arm =	Moment
	then were trees asinc mine on		
Bircraft as Weighed	+934.0	+12.8	+11955
Less Oil (3 qts)	-5.6	-33.0	+ 185
Less Fuel (12 gal)	-72.0	-15.0	+ 1080
	======		
Aircraft Empty Wt.:	856.4		13220
Aircraft Empty Wt.:	C. G	. + 15. 44	
Aircraft Useful Load	: 363.6	lbs.	
Aircraft Gross Weigh	t:	1220 lbs.	
Aircraft Loaded C.G.	Range:	(+10.9) to	(+21.5)

This weight and balance / equipment list supercedes all previous ones.

# Aircraft Weight & Balance as of 4-22-91 For Champ 7AC, N1472E, s/n 7AC-5835

Aircraft Heeful Loads 363.0 lbs.

Aircraft Loaded C.G. Range: (\*10.9) to (+21.5)

Typical Aircraft Weight & Balance Calculation-

	Weight X	Arm =	Moment
Aircraft Fuel 12 Gal. Oil 3 Ots. Front Seat Rear Seat Baggage	72.0 5.6 135 140 10	+15.44 -15.0 -33.0 +11.5 +42.0 +64.0	13220 -1080 -185 1552 5880 640
Loaded Weight:	1219 15		20027
Loaded C.G:		16.43	
	Weight )	( Arm =	Moment
Aircraft Fuel 12 Gal. Oil 3 Ots. Front Seat Rear Seat Baggage	72.0 5.6 240 0	+15.44 -15.0 -33.0 +11.5 +42.0 +64.0	13220 -1080 -185 2760 0
Loaded Weight: Loaded C.G:	1174 lbs.		14715
	Weight :	X Arm =	Moment
Aircraft Fuel 12 Gal. Oil 3 Ots. Front Seat Rear Seat Baggage	856.4 72.0 5.6 0 240	+15.44 -15.0 -33.0 +11.5 +42.0 +64.0	2)
Loaded Weight: Loaded C.G:	1174 lbs	18.76	22035

# DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION

		A-759
	Re	vision 73
A	merican C	Champion
	( E	Bellanca)
	(CI	hampion)
7AC	()	Aeronca)
7ACA	7EC	7GCB
S7AC	S7EC	7GCBA
(L-16A) 7BCM	7ECA	7GCBC
(L-16B) 7CCM	7FC	7HC
S7CCM	7GC	7JC
7DC	7GCA	7KC
S7DC	7GCAA	7KCAB
	February	y 9, 2011

#### AIRCRAFT SPECIFICATION NO. A-759

Type Certificate Holder: <u>American Champion Aircraft Corp.</u>

Rochester, WI 53167

Type Certificate Holder Record: Aeronca Aircraft Corporation transferred TC A-759 to

Champion Aircraft Corporation on July 19, 1954

Champion Aircraft Corporation transferred TC A-759 to Bellanca Aircraft Corporation on March 15, 1971

Bellanca Aircraft Corporation transferred TC A-759 to Champion Aircraft Company, Inc. on November 1, 1982

Champion Aircraft Company, Inc. transferred TC A-759 to

Tetelestai, Inc. on October 11, 1988

Tetelestai transferred TC A-759 to

FRA Enterprises, Inc. on December 27, 1988

FRA Enterprises, Inc. transferred TC A-759 to American Champion Aircraft Corp.on May 30, 1989

# I - Model 7AC, 2 PCLM (Normal Category), Approved October 18, 1945 (See NOTE 4 for optional engines and conversions to other models)

Engine Continental A-65-8 (see item 115 for Lycoming O-235-C)

Fuel 73 minimum grade aviation gasoline
Engine Limits For all operations, 2300 r.p.m. (65 hp.)

Airspeed Limits Level flight or climb 95 m.p.h. (83 knots) True Ind.

Glide or dive 129 m.p.h. (112 knots) True Ind.

Propeller Limits Static rpm at maximum permissible throttle setting:

(For fixed pitch Not over 2250, not under 1960. No additional tolerance permitted.

wood propeller) Diameter: not over 72 in., not under 70 in.

C.G. Range (+10.9) to (+21.5)

Empty wt.

C.G. Range (+14.1) to (+17.9) standard arrangement

(+14.1) to (+15.0) when item 106(a) installed. When empty weight C.G. falls within the range given, it is not necessary to compute critical fore and aft C.G.

positions. This range valid for standard arrangement only.

Maximum Weight 1220 lb.

No. of Seats 2 (1 at +11.5, 1 at +42)

Maximum Baggage 40 lbs. at +64. See NOTE 2 for baggage placard.

Fuel Capacity 13 gal. at -15.
Oil Capacity 4 qt. at -33.

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Control Surface

25<sup>0</sup> 15.5<sup>0</sup> Movements Up Elevator Down Elevator Trim Tab Up 200  $34.5^{\circ}$ Down 18<sup>0</sup> 28.5<sup>0</sup> Ailerons Up Down 25<sup>0</sup> Right 240 Rudder Left

Serial Nos. Eligible 7AC-1 and up.

Required Equipment Items 1, 101, 102, 201, 202.

#### II - Model S7AC, 2 PCSM (Normal Category), Approved February 27, 1947

(Same as 7AC except for float installation)

Engine Continental A-65-8

Fuel 80 minimum grade aviation gasoline
Engine Limits For all operations, 2300 r.p.m. (65 hp.)

Airspeed Limits Level flight or climb 90 m.p.h. (78 knots) True Ind.

Glide or dive 121 m.p.h. (105 knots) True Ind.

Propeller Limits Static rpm at maximum permissible throttle setting:

(For fixed pitch Not over 2200, not under 1960. No additional tolerance permitted.

propeller) Diameter: not over 76 in., not under 70 in.

C.G. Range (+10.9) to (+19.5)

Empty wt.

C.G. Range (+13.6) to (+15.7) not valid when item 106(a) installed. When empty weight

C.G. falls within this range, it is not necessary to compute critical fore and aft

C.G. positions. This range valid for standard arrangement only.

Maximum Weight 1320 lb.

No. of Seats 2 (1 at +11.5, 1 at +42)

Maximum Baggage 40 lbs. at +64. See NOTE 2 for baggage placard.

Fuel Capacity 13 gal. at -15.
Oil Capacity 4 qt. at -33.

Control Surface

Movements Elevator Up 25° Down 15.5° Elevator Trim Tab Up 20° Down 34.5°

Ailerons Up 28.5° Down 18° Rudder Right 24° Left 25°

Serial Nos. Eligible 7AC-1 and up.

Required Equipment Items 1, 101, 102, 204(a) or (b), 205(a), 205(c)

### III - Model 7BCM (Army L-16A), 2 PCLM (Normal Category), Approved September 16, 1947

Same as 7AC except for powerplant installation. See NOTE 4 for conversion from Model 7AC.

Engine Continental C-85-8, -8F, -8J or -8FJ

Fuel 80 minimum grade aviation gasoline

Engine Limits For all operations, 2575 r.p.m. (85 hp.)

Airspeed Limits Level flight or climb 95 m.p.h. (83 knots) True Ind.
Glide or dive 129 m.p.h. (112 knots) True Ind.

Propeller Limits Static rpm at maximum permissible throttle setting:

(For fixed pitch Not over 2450, not under 2200. No additional tolerance permitted.

wood propeller) Diameter: not over 72 in., not under 70 in.

C.G. Range (+10.4) to (+19.7)

Empty wt.

C.G. Range (+13.2) to (+15.5) valid only for standard arrangement. When empty weight

C.G. falls within this range, it is not necessary to compute critical fore and aft

C.G. positions.

Maximum Weight 1220 lb.

No. of Seats 2 (1 at +11.5, 1 at +42). Placard: "Solo from front seat only."

Maximum Baggage 50 lbs. at +64.

W	eight and	Balance N1	.472E
Item	Weight	Arm	Moment
Airplane	856.4	15.44	13222.82
Fuel	72	-15	-1080
Oil	5.6	-33	-184.8
Front	282	11.5	3243
Back	229.6	42	9643.2
Baggage	0	64	0
Total	1445.6		24844.22
Max TOW	1220		
		CG	17.19
Over Max	225.6	CG Limits	10.9 to 21.5

Elevation	• feet		O m		720	
Air Temperature	O deg F		• de	g C	27	
Altimeter Setting	o in Hg	5	O hP	a	29.94	
Dew Point	O deg F		o de	g C	23	
	Calcu	ılate F	Reset			
Density Altitude	2610	feet		796	m	
Absolute Pressure	29.17	in Hg	n Hg		hPa	
Air Density	0.0708	lb/ft3	lb/ft3		kg/m3	
Relative Density	92.58	%		92.58	%	
Estimated AWOS	2300	feet		701	m	