

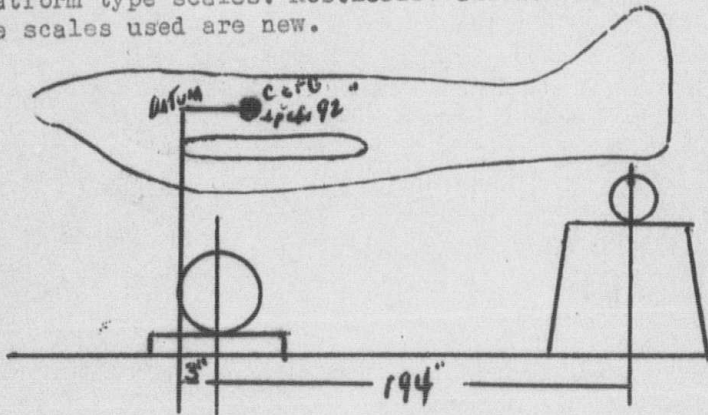
WEIGHT AND BALANCE REPORT FOR PIPER AIRCRAFT-TYPE-J3-C65 SERIAL  
No.112c Registration CF-BRN

ABSTRACT

The purpose of this report on Cub Aircraft CF-BRN is to determine the C.of G. in accordance with the Department of Transport Circular T-14/48 Dated Nov. 22nd, 1948.

PROCEDURE

- (1) The above Aircraft was weighed in the Hangar of Sky Harbour Air Services on Nov. 19th, 1949.
- (2) The following conditions applied at the time in accordance with Civil Aeronautics Manual #18. Appendix 2. Page 106.
  - (a) The Aircraft was placed in a level landing position, a master level having been placed on the top longeron between the front and rear seats and showed a zero reading.
  - (b) The fuel and oil were drained and only residual oil was left in the system.
  - (c) The following items of equipment were in the Aircraft, Pilot's seat, passenger seat, safety harnesses, fire extinguisher and all instruments.
  - (d) The scales used for weighing are as follows: 2 Fairbanks Morse Platform type scales. Nos. B38187 and B39142.
  - (e) The scales used are new.



Determination of Empty Weight C.of G. Location

<u>Item</u>	<u>Scale Reading</u>		
Left wheel	335 lbs.		
Right wheel	337 lbs.	$\frac{194 \times 44}{716} =$	+11.92"
• Tail wheel	44 lbs.		
	<u>716</u>		

CofG Empty Weight is therefore +11.92" + 3" (distance from C/L of front wheels to datum) = +14.92"

Empty weight C.of G. range is (+8.5) to (+20.3) C.A.A. Specifications A-691

Prepared by E. C. Simpson Witnessed by P. A. Chisholm  
 "B" & "D" Air Engineer #A2743 "A" & "C" Air Engineer #A2835

*Peter J. Taylor*  
*11/19/49*  
*15 Nov. 49*