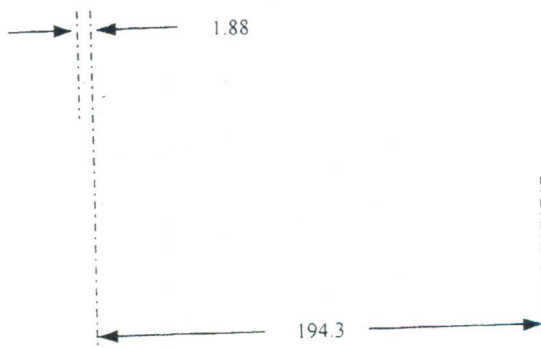


AMERICAN CHAMPION AIRCRAFT CORPORATION  
ROCHESTER, WISCONSIN 53167

**WEIGHT AND BALANCE WORKSHEET**



Model Number: 8KCAB 210 HP  
 Serial Number: 1135-2013  
 Registration: N555XD  
 Date: 12/13/2013

Signed: \_\_\_\_\_

*[Handwritten Signature]*

Aircraft Leveling Means: Drop plumb line from wing leading edge so that it is 12.18 inches forward of front face fuselage wing strut fitting.

Weight Actual: 1318 lb

1. Left Wheel Weight:	630 lb	Right Wheel Weight:	627 lb
2. Tail Wheel Weight:	61 lb		
3. Total Aircraft Weight (Full Oil):	1318 lb		
C.G. = ( $\frac{194.3 \text{ in} \times 61 \text{ lb}}{1318 \text{ lb}}$ ) + 1.88 in = 10.87 in Aft of Leading Edge			
	<b>WEIGHT (lb)</b>	<b>ARM (in)</b>	<b>MOMENT (in-lb)</b>
Aircraft Weight with Full Oil	1318	10.87	14327
Subtract Drainable Oil (of 19 lb. 5 lb is undrainable)	-14	-34	+476
Add 0.75 Gallons Unuseable Fuel (Header Tank)	+4.5	-13	-58.5
Add 2.25 Gallons Unuseable Fuel (Wing Fuel Tanks)	+13.5	+26	+351
<b>TOTALS</b>	1322	XXXXX	15095
AIRCRAFT EMPTY C.G.:	11.42	in Aft of Datum	
NORMAL CATEGORY USEFUL LOAD:	628	lb	
ACROBATIC CATEGORY USEFUL:	478	lb	
DATUM:	Wing Leading Edge		
CENTER OF GRAVITY LIMITS:			
NORMAL CATEGORY	(+ 14.7 in) to (+ 18.5 in) at 1950 lb		
ACROBATIC CATEGORY	(+ 13.5 in) to (+ 18.5 in) at 1800 lb		
	(- 11.5 in) to (+ 18.5 in) at 1550 lb or less		
	Straight line variation between points given.		