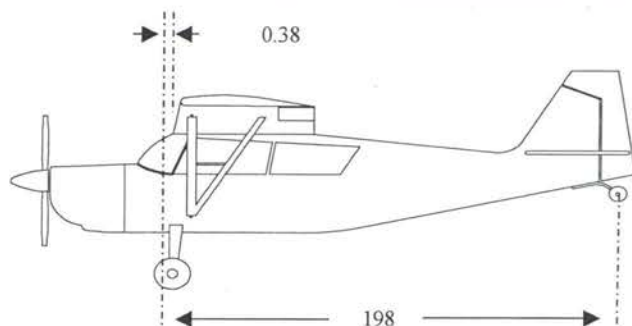


AMERICAN CHAMPION AIRCRAFT CORPORATION
ROCHESTER, WISCONSIN 53167

WEIGHT AND BALANCE WORKSHEET



Weight Actual: 1408

Model Number 8GCBC (70 Gal)

Serial Number: 553-2012

Identification Number: N242A

Date: 8/22/2012

Signed: [Redacted Signature]

Aircraft Leveling Means: Drop plumb line from wing leading edge so that it is 10.18 inches forward of front face fuselage wing strut fitting.

- | | |
|--|------------------------------|
| 1. Left Wheel Weight: 661 lbs. | Right Wheel Weight: 655 lbs. |
| 2. Tail Wheel Weight 92 lbs. | |
| 3. Total Aircraft Weight (Full Oil): 1408 lbs. | |

$$\text{C.G.} = \left(\frac{198 \text{ in.} \times 92 \text{ lbs.}}{1408 \text{ lbs.}} \right) - 0.38 \text{ in.} = 12.56 \text{ in. aft. L.E.}$$

	WEIGHT (lbs.)	ARM (in.)	MOMENT (in. lbs.)
Aircraft Weight with Full Oil	1408	12.56	17684.48
Subtract Drainable Oil	-15	-36	+540
Add 2.17 Gallon Unuseable Fuel (Wing Fuel Tanks)	+13	+15	+195
TOTALS	1406	XXXXXX	18419.48

Aircraft Empty C.G. 13.10 in. aft datum

Useful Load 744 lbs.

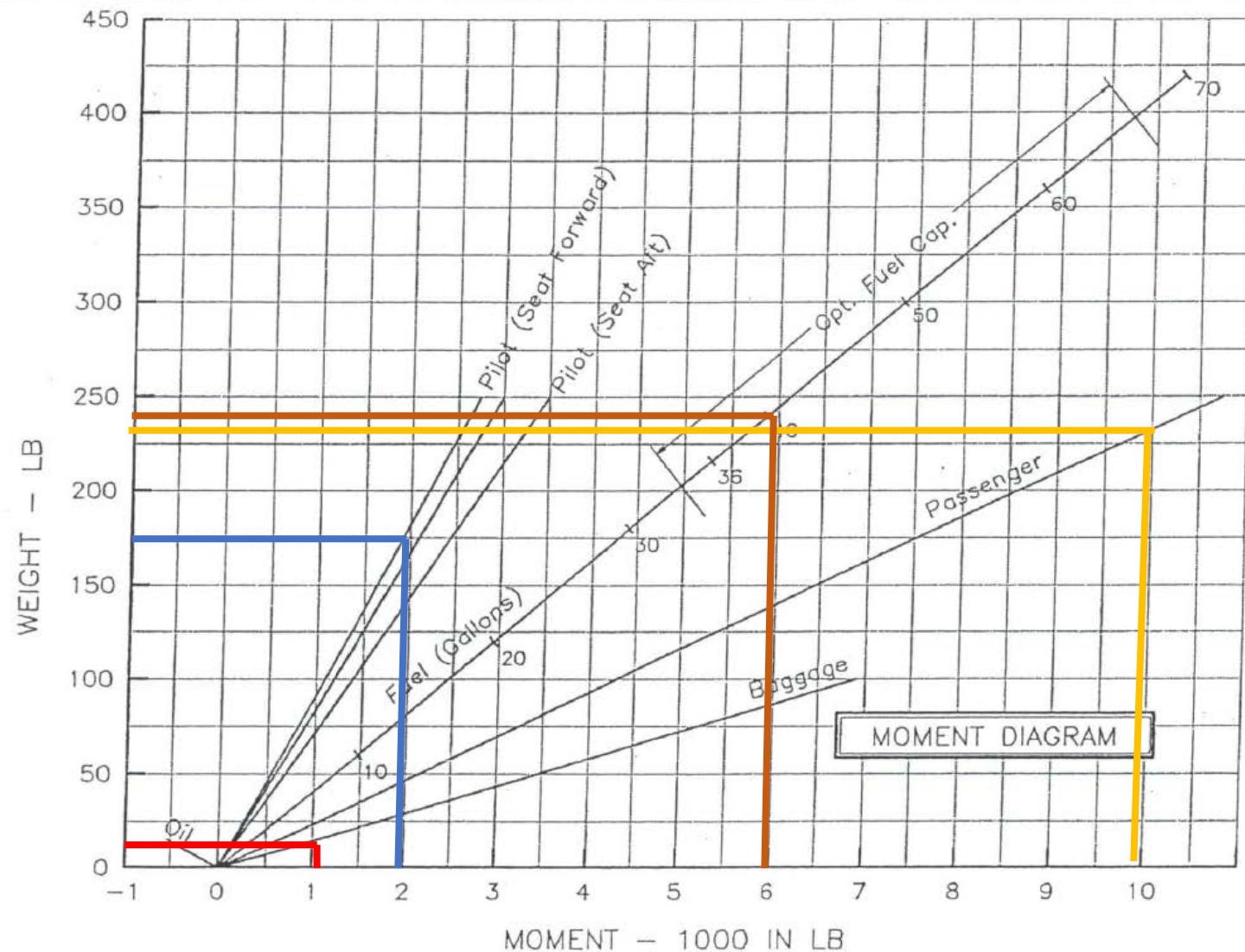
Datum: Wing Leading Edge

CENTER OF GRAVITY LIMITS: (+ 14.2 in.) To (+ 19.2 in.) At 2150 lbs.
NORMAL CATEGORY (+ 10.5 in) To (+ 19.2 in.) At 1450 lbs. or less

Straight line variation between points given.

LOADING SCHEDULE 8GCBC

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REVISED: 3-13-96



Add weights and moments of items in MOMENT DIAGRAM to airplane empty weight and moment. (negative oil moment) Locate intersection of total weight and moment on AIRPLANE LOADING ENVELOPE. Any point falling within the envelope meets all balance requirements.

