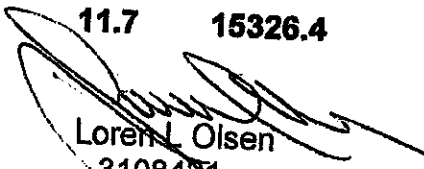


**Caravan's Inc.**  
**8891 Airport Rd.**  
**P.O. Box 49670**  
**Blaine, MN 55449**  
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9/15/2007

**Weight and Balance Revision**  
**N5534K 7GCBC SN 1028-78**  
**Seaplane Wipline 2100 straight Floats**

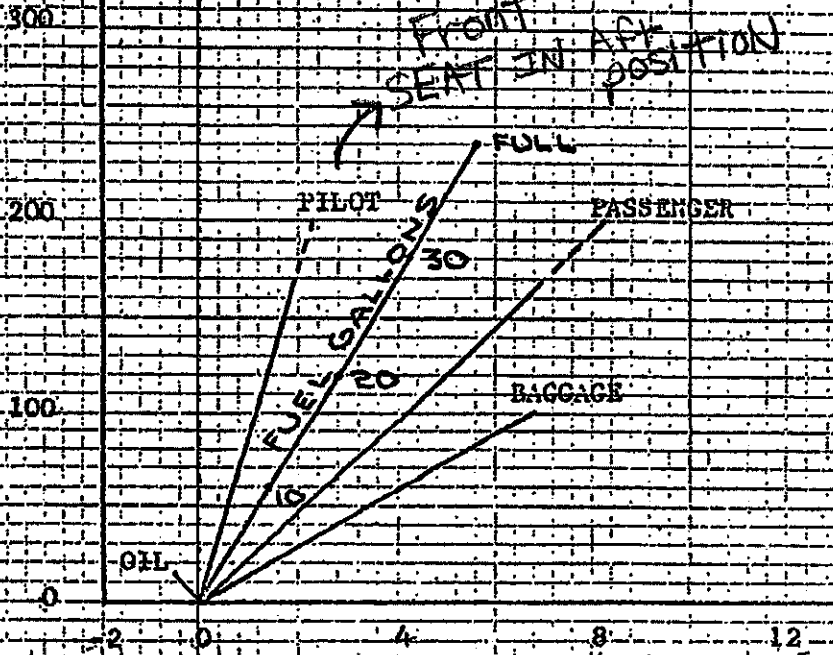
<b>Current Empty Weight C.G.</b> (Includes Oil)	<b>1363.0</b>	<b>12.1</b>	<b>16,492.3</b>
<b>Removed Items</b>			
Battery Gil 35 Lead acid	- 35.0	+82	-2870
Battery Box	- 5.0	+82	- 410.0
Fire Ext	- 5.0	+16	- 80.0
Starter	- 18.0	- 46	+ 828
ELT.	- 3.8	+ 68	- 258.4
Morrow Loran	- 4.0	- 10.0	+ 40.0
Antenna Kit	-2.0	+ 75	- 150.0
Carpet with liner	- 12.0	+ 32.0	- 384.0
<b>Total Removed</b>	<b>- 86.8</b>		
<b>Installed Items</b>	<b>1276.2</b>	<b>10.9</b>	<b>14,001.9</b>
Hawk Energy Battery PN 0769-4005 sealed Lead Acid	+ 13.5	+ 82	+1107
Starter Sky Tech Fly Weight 122 tooth PN 122-NL SN CN 360710	+ 9.4	+ 82	- 432.4
Carpet Far 23.185 Flame Resistant	+ 5.5	+ 32	+ 176
<b>New Empty Weight C.G.</b>	<b>+ 28.4</b>		
<b>Max G.W.</b>	<b>1304.6</b>	<b>11.7</b>	<b>15326.4</b>
<b>Useful</b>	<b>1800</b>		
	<b>495.4</b>		

  
 Loren L. Olsen  
 3108421

EQUIPMENT LIST AND LOADING SCHEDULE

MODEL 7GCBC

WEIGHT INCREMENTS --- POUNDS



ADD WEIGHTS AND MOMENTS OF ITEMS IN FIGURE 1 TO AIRPLANE EMPTY WEIGHT AND MOMENT PAGE 1 (NEGATIVE OIL MOMENT). LOCATE INTERSECTION OF TOTAL WEIGHT & MOMENT ON FIGURE 2

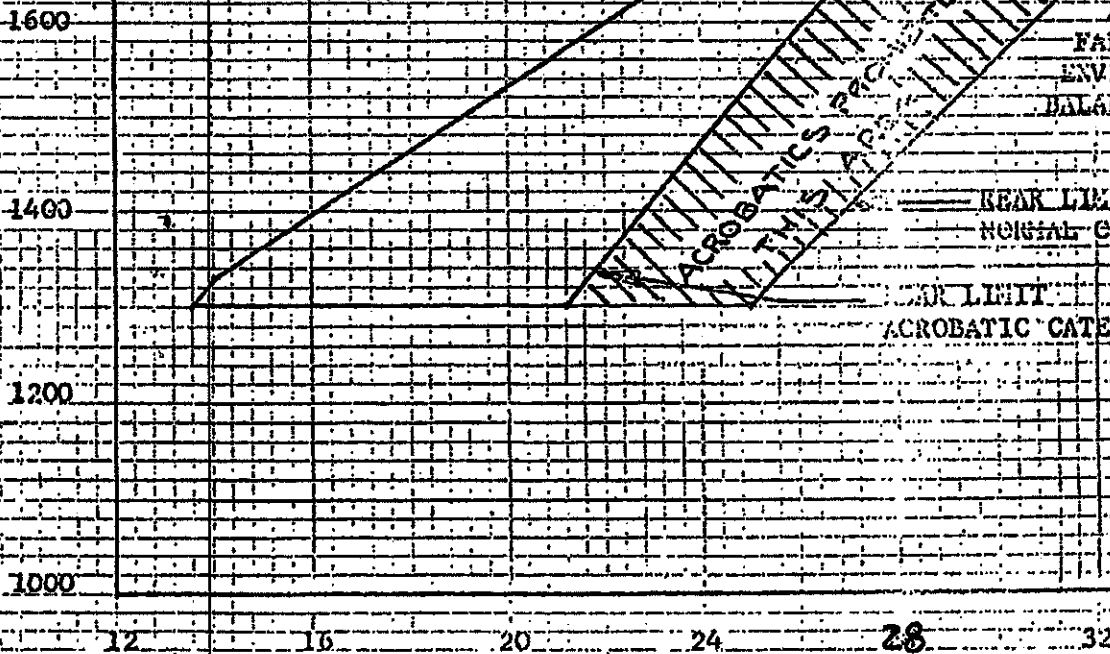
MOMENT INCREMENTS = 1000 IN-POUNDS

FIGURE 1-LOADING GRAPH

1800# Seaplane

Seaplane

TOTAL AIRPLANE WEIGHT --- POUNDS



ANY POINT FALLING WITHIN THE ENVELOPE MEETS ALL BALANCE REQUIREMENT

TOTAL MOMENT --- 1000 INCH POUNDS

FIGURE 2-CENTER OF GRAVITY ENVELOPE

FF SIMMENT 100  
 RP SANDI 125

$$W \times A = M$$

1. BEW w/OIL	1304.6	11.7	15326.4
2. FP	180	11.5	2070.0
3. RP	125	42.0	5250.0
4. Fuel (30gal → 180) (35gal max @ 6pd)	180	24.5	4410.0
5. BAGS (MAX 100pd)	10	69.0	690.0

1799.6

27746.4

$$1799.6 \overline{) 27746.4} \quad 15.42(cg)$$

$$\begin{array}{r} 1304.6 \\ + 495.4 \\ \hline 1800 \text{ pd MAX GROSS} \end{array}$$

\*NOTE:  
 ANY STUDENT OVER  
 180pd - I have to  
 a. remove Fuel  
 b. remove more Fuel  
 AND Add more bag

www.romeoaviation.com  
- Seaplane Link -

## Citabria N5534K Seaplane - Weight & Balance

<u>Description</u>	<u>Item</u>	<u>Weight</u>	<u>Arm</u>	<u>Moment</u>
Basic Empty Weight with Oil		1304.60	11.70	#####
Max Gross		1800.00		
Checkride Configuration		1304.60	11.70	#####
Dale	Pilot	125.00	11.50	1437.50
Bill	Passenger	180.00	42.00	7560.00
Baggage		20.00	69.00	1380.00
<b>Max Fuel (Gallons)</b>	<b>27.00</b>	162.00	24.50	3969.00
Tqtal		1791.60		#####
<b>Moment</b>				<b>29.61</b>

**Note:**

**Citabria Whipline 2100**

**Placard on Bulk Heads**

**50lbs per side Max**

**Weight and Balance Arm 55.0**