



Lawrence J. Timm
9305 W. Appleton Ave.
Milwaukee, WI 53225
(414) 461-3222

Weight and Balance Report

N310RR
Cessna 310R
S/N 310R-0014

May 24, 2002
Hobbs 3407.4

Aircraft weighed with full main and auxiliary fuel tanks. Nacelle fuel tank empty. Alcohol tank full, (3 gallons). 10qts oil in engines. Six cabin seats installed.

<u>Description of work performed</u>		<u>WEIGHT</u>	<u>ARM</u>	<u>MOMENT</u>
Electronic wheel platform scales:	Left	2068.00lb.	55.60in.	114980.80
	Right	1975.00lb.	55.60in.	109810.00
	Nose	782.00lb.	-50.40in.	-39412.80
Fuel calculated empty:	Main Tanks	-600.00lb.	35.00in.	-21000.00
	Aux Tanks	-378.00lb.	47.00in.	-17766.00
	Nacelle Tank	(empty)	13.90in.	0.00
Totals:		3847.00lb.		146612.00


New Empty Figures:

New Empty Weight: 3847 lbs.
New Empty C.G.: 38.11 in.
Gross Weight: 5500 lbs.
New Useful Load: 1653 lbs.

REVISED BY

Western Avionics, Inc

Date 1/29/02 By GJB


Kerry P. Bethke
Maintenance Manager
Gran-Aire, Inc.
CRS #AZOR351C



WEIGHT AND MOMENT TABLES

WEIGHT (POUNDS)	NOSE COMPARTMENT ARM = -31"	WING LOCKER ARM = 63"	CABIN COMPARTMENTS		
			ARM = 96"	ARM = 124"	ARM = 126"
			MOMENT/100		
10	-3	6	10	12	13
20	-6	13	19	25	25
30	-9	19	29	37	38
40	-12	25	38	50	50
50	-16	32	48	62	63
60	-19	38	58	74	76
70	-22	44	67	87	88
80	-25	50	77	99	101
90	-28	57	85	112	113
100	-31	63	96	124	126
110	-34	69	106	136	139
120	-37	76	115	149	151
130	-40	82	125	161	164
140	-43	88	134	174	176
150	-46	94	144	186	189
160	-50	101	154	198	202
170	-53	107	163		
180	-56	113	173		
190	-59	120	182		
200	-62	126	192		
210	-65	132			
220	-68	139			
230	-71	145			
240	-74	151			
250	-78				
260	-81				
270	-84				
280	-87				
290	-90				
300	-93				
310	-96				
320	-99				
330	-102				
340	-105				
350	-108				

WEIGHT (POUNDS)	3RD OR 4TH SEATS			
	1ST OR 2ND SEATS ARM = 37"	BENCH SEAT ARM = 71"	INDIVIDUAL SEAT ARM = 68"	5TH OR 6TH SEAT ARM = 102"
	MOMENT/100			
10	4	7	7	10
20	7	14	14	20
30	11	21	20	31
40	15	28	27	41
50	18	36	34	51
60	22	43	41	61
70	26	50	48	71
80	30	57	54	82
90	33	64	61	92
100	37	71	68	102
110	41	78	75	112
120	44	85	82	122
130	48	92	88	133
140	52	99	95	143
150	56	106	102	153
160	59	114	109	163
170	63	121	116	173
180	67	128	122	184
190	70	135	129	194
200	74	142	136	204
210	78	149	143	214
220	81	156	150	224
230	85	163	156	235
240	89	170	163	245
250	92	178	170	255
260	96	185	177	265
270	100	192	184	275
280	104	199	190	286
290	107	206	197	296
300	111	213	204	306

GALLONS	WEIGHT (POUNDS)	MOMENT/100		
		MAIN WING TANKS ARM = 35"	AUXILIARY WING TANKS ARM = 47"	WING LOCKER TANKS ARM = 49"
5	30	10	14	15
10	60	21	28	29
15	90	32	42	44
20	120	42	56	59
25	150	52	70	74
30	180	63	85	88
35	210	74	99	103
40	240	84	113	118
45	270	94	127	
50	300	105	141	
55	330	116	155	
60	360	126	169	
63	378	132	178	
65	390	136		
70	420	147		
75	450	158		
80	480	168		
85	510	178		
90	540	189		
95	570	200		
100	600	210		

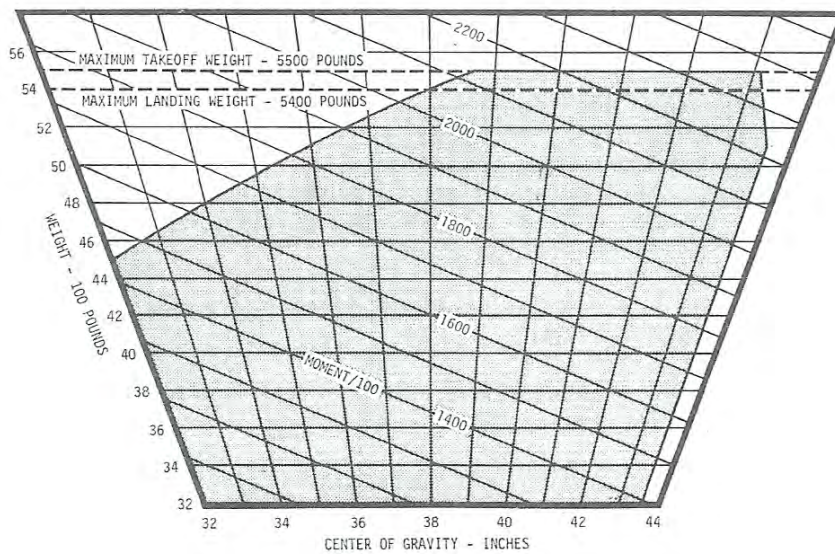
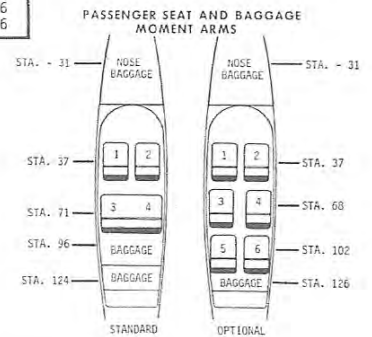


Figure 6-2