

AIRCRAFT WEIGHT AND BALANCE REPORT

Date: 7/15/2008

Registration number: N61CY

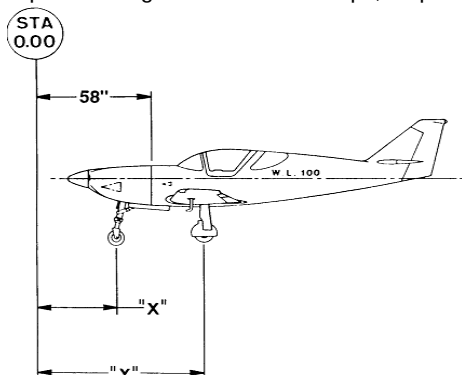
Serial Number: 2399

Model: Glasair Super II RG

Location: S50 (Auburn WA)

Weighed by: Chris Yeeles

Airplane configuration: Extended tips, Flaps up, no fuel, doors closed, oil 7qt., aircraft leveled,
tow bar fire and extinguisher installed



Extended tip CG limits	
Forward	89.91
Aft	97.65
Gross	2300 lb
Aerobatic	1900 lb

Empty airplane					
Nose weight	329 LB	Nose arm "X"	43.50 IN	Nose Moment	14311.50 IN-LB
Left main weight	545 LB	Left main arm "Y"	104.90 IN	Left main Moment	57170.50 IN-LB
Right main weight	539 LB	Right main arm "Y"	104.90 IN	Nose Moment	56541.10 IN-LB
Total weight	1413 LB			Total Moment	128023.10 IN-LB
				CG	90.604
Forward extreme					
Empty airplane	1413 LB	arm	90.60 IN	Empty moment	128023.10 IN-LB
Main Tank 40 gal.	240 LB	arm	89.85 IN	Main Tank moment	21564.00 IN-LB
Tip Tanks 0 gal.	0 LB	arm	98.70 IN	Tip Tank moment	0.00 IN-LB
Aux 7 gal.	42 LB	arm	68.00 IN	Aux moment	2856.00 IN-LB
Crew	100 LB	arm	115.50 IN	Crew moment	11550.00 IN-LB
Baggage	0 LB	arm	136.00 IN	Baggage moment	0.00 IN-LB
Total weight	1795 LB			Total Moment	163993.10 IN-LB
				CG	91.361 OK
Aft extreme					
Empty airplane	1413 LB	arm	90.60 IN	Empty moment	128023.10 IN-LB
Main Tank 1 gal.	6 LB	arm	89.85 IN	Main Tank moment	539.10 IN-LB
Tip Tanks 0 gal.	0 LB	arm	98.70 IN	Tip Tank moment	0.00 IN-LB
Aux 7 gal.	0 LB	arm	68.00 IN	Aux moment	0.00 IN-LB
Crew	345 LB	arm	115.50 IN	Crew moment	39847.50 IN-LB
Baggage	100 LB	arm	136.00 IN	Baggage moment	13600.00 IN-LB
Total weight	1864 LB			Total Moment	182009.70 IN-LB
				CG	97.645 OK
Gross					
Empty airplane	1413 LB	arm	90.60 IN	Empty moment	128023.10 IN-LB
Main Tank 40 gal.	240 LB	arm	89.85 IN	Main Tank moment	21564.00 IN-LB
Tip Tanks 8 gal.	48 LB	arm	98.70 IN	Tip Tank moment	4737.60 IN-LB
Aux 6 gal.	36 LB	arm	68.00 IN	Aux moment	2448.00 IN-LB
Crew	500 LB	arm	115.50 IN	Crew moment	57750.00 IN-LB
Baggage	63 LB	arm	136.00 IN	Baggage moment	8568.00 IN-LB
Total weight	2300 LB			Total Moment	223090.70 IN-LB
				CG	96.996 OK
Various moment arms					
Oil	44.00	Baggage	136.00	Firewall	60.00
Main Tank	89.85	Tip Tank	98.69	Aux Tank	68.00
Wing tip extention	100.62	Instrument Panel	89.00	Crew	115.50