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WEIGHT AND BALANCE REPORT

Stinson 108    Serial 108 - 435    Registration CF-EHI

Aircraft weighed in flying position with empty oil and fuel tanks. Empty weight includes McCauley propeller, Edo 44-225 floats, fire extinguisher.

ITEM	WEIGHT	ARM	MOMENT
Port Float	685	0	0
Star Float	680	0	0
Tail Post	64	+221	+14120
Unusable fuel and undrainable oil (see note 1, sheet 6, CAA A/C spec R-767)	24	+ 22	+ 528
	1453		14648

C.G. empty is aft of datum  $\frac{14648}{1453} = 10.1$  inches.

Most Forward C.G.

Empty weight	1453	+10.1	+14,650
Pilot	170	+16	+ 2,720
Pass (Front seat)	170	+16	+ 2,720
Fuel (40 u.s. gal)	239	+22	+ 5,260
Oil (9 u.s. gals.)	16.9	-49	- 828
	2049		24,520

C.G. is aft of datum  $\frac{24,520}{2049} = 11.95$  inches.

Most aft C.G.

Empty weight	1453	+10.1	+14,650
Pilot	170	+16	+ 2,720
2 Passengers (rear seat)	340	+48	+16,320
Baggage	50	+42	+ 2,100
Oil	17	-49	- 828
Fuel (28.5 imp. gal)	205	+22	+ 4,510
	2235		39,470

C.G. is aft of Datum  $\frac{39,470}{2235} = 17.7$  inches.

Max. weight on floats 2235 lbs. ) CAA Spec. A-767 Jan. 30, 1950  
 C.G. limits +11.1 to +19.8" )  
 Datum - Leading edge of wing.