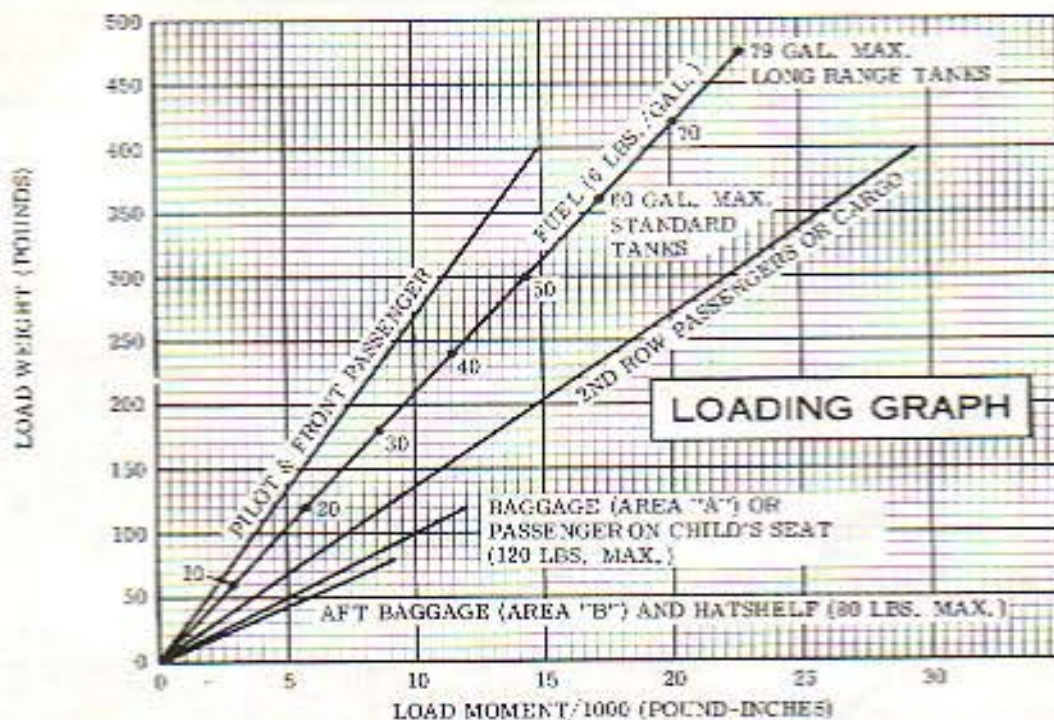


SAMPLE LOADING PROBLEM	SAMPLE AIRPLANE		YOUR AIRPLANE	
	Weight (lbs.)	Moment (lb.-ins./1000)	Weight (lbs.)	Moment (lb.-ins./1000)
1. Licensed Empty Weight (Use the data pertaining to your airplane as it is presently equipped. Includes unusable fuel.)	1720	62.4	1511	67.3
2. Oil (12 Qts. - The weight of full oil may be used for all calculations. 12 Qts = 22 Lbs. at -0.3 Moment/1000)	22	-0.3	22	-0.3
3. Usable Fuel (At 6 Lbs./Gal.)				
Standard Tanks (60 Gal. Maximum)	360	17.3		
Long Range Tanks (79 Gal. Maximum)	475			
4. Pilot and Front Passenger (Std. 32 to 50)	340	12.6		
5. Second Row Passengers	340	25.2		
Cargo Replacing Second Row Seats (Station 65 to 82)				
6. Baggage (Area "A") or Passenger on Child's Seat (Station 82 to 106) 120 Lbs. Maximum	120	11.6		
7. Baggage - Aft (Area "B") and Hatchell (Station 108 to 156) 80 Lbs. Maximum	42	4.8		
8. TOTAL WEIGHT AND MOMENT	2950	133.6		
9. Locate this point (2950 at 133.6) on the Center of Gravity Moment Envelope, and since this point falls within the envelope, the loading is acceptable.				



- NOTES: (1) Line representing adjustable seats shows pilot and front seat passenger center of gravity on adjustable seats positioned for an average occupant. Refer to the Loading Arrangements diagram for forward and aft limits of occupant c.g. range.
 (2) Engine Oil: 12 Quarts = 22 Lbs. at -0.3 Moment/1000.
 (3) Hatchell Maximum Load 25 Lbs.

