

SAMPLE LOADING PROBLEM

1. Licensed Empty Weight (Sample Airplane) . . .
2. Oil (8 qts. - The weight of full oil may be used for all calculations)
3. Fuel (Standard - 38 Gal at 6#/Gal)
 Fuel (Long Range - 48 Gal at 6#/Gal)
4. Pilot and Front Passenger (Station 34 to 46) . . .
5. Rear Passengers
6. Baggage (or Passenger on Child's Seat) (Station 82 to 108)

7. TOTAL WEIGHT AND MOMENT

8. Locate this point (2300 at 101.0) on the center of gravity moment envelope, and since this point falls within the envelope, the loading is acceptable.

	SAMPLE AIRPLANE		YOUR AIRPLANE	
	Weight (lbs.)	Moment (lb. -ins. /1000)	Weight (lbs.)	Moment (lb. -ins. /1000)
	1364	51.7		
	15	-0.2	15	-0.2
	228	10.9		
	340	12.6		
	340	24.8		
	13	1.2		
	2300	101.0		