



SAMPLE LOADING PROBLEM	Sample Airplane		Your Airplane	
	Weight (lbs)	Moment (lb - ins. /1000)	Weight	Moment
1. Licensed Empty Weight (Sample Airplane) ---	1955	71.3		
* 2. Oil - 12 Qts. -----	22	-0.4	22	-0.4
3. Pilot & Front Passenger -----	340	12.2		
4. Fuel - (55 Gal at 6#/Gal) -----	330	15.8		
5. Rear Passengers -----	340	23.8		
** 6. Child's Seat Passengers (Or Baggage in Same Area) -----	80	7.5		
*** 7. Baggage (Aft of Child's Seat) -----	33	3.8		
8. Total Aircraft Weight (Loaded) -----	3100	134.0		

9. Locate this point (3100 at 134.0) on the center of gravity envelope, and since this point falls within the envelope the loading is acceptable.

\* Note: Normally, full oil may be assumed for all flights.

\*\* Note: Maximum allowable load is 140 lbs. for each seat. If total area is used for baggage, maximum allowable load is 280 lbs. Use seat belts to secure baggage.

\*\*\* Note: Maximum allowable load is 120 lbs. Combined load in child's seat and baggage area must not exceed 280 lbs. total.

### BAGGAGE TIE-DOWN

Two adjustable tie-down straps are provided to secure baggage in the baggage area. The fitting on one end of each strap has a slotted hole, and is to be latched over a screw permanently fastened in the baggage compartment floor just aft of each child's seat back. A hook on the other end of each strap should be fastened into an eyebolt provided at the top of the rear baggage area wall. A buckle in each strap permits strap length adjustment.



