

SAMPLE LOADING PROBLEM	SAMPLE AIRPLANE		YOUR AIRPLANE	
	Weight (lbs.)	Moment (lb.-ins./1000)	Weight (lbs.)	Moment (lb.-ins./1000)
1. Licensed Empty Weight (Sample Airplane) . . .	1084	35.9	1092	36.1
2. Oil (6 qts. - The weight of full oil may be used for all calculations)	11	-0.1	11	-0.1
3. Fuel (Standard - 22.5 Gal. at 6 Lbs./Gallon)	135	5.7		
Fuel (Long Range - 35 Gal. at 6 Lbs./Gallon)				
4. Pilot and Passenger (Sta. 33 to 41)	340	13.3		
5. Baggage - Area 1 (or Passenger on Child's Seat) (Sta. 50 to 76, 120 Lbs. Max.)	30	1.9		
6. Baggage - Area 2 (Sta. 76 to 94, 40 Lbs. Max.)				
7. TOTAL WEIGHT AND MOMENT	1600	56.7		

8. Locate this point (1600 at 56.7) on the Center of Gravity Moment Envelope, and since this point falls within the envelope, the loading is acceptable.

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PERSONAL MINIMUMS: HEAD WIND _____ X-WIND _____
CEILING _____ VISIBILITY _____

ALT SET _____ SURFACE WIND _____
PRESSURE ALT _____ HEADWIND _____
TEMPERATURE _____ X-WIND _____
DENSITY ALT _____

WIND/TEMP ALOFT 030 _____ 060 _____ 090 _____
CRUISE: %BHP _____ TAS _____ RPM _____ V_a _____

AIRPORTS OF INTENDED USE
 _____ HD WND _____ X-WND _____ RWY LNPTH _____
 T/O DIST _____ X 1.5 _____ GT RWY LNPTH? Y/N _____
 LNDG DIST _____ X 1.5 _____ GT RWY LNPTH? Y/N _____

_____ HD WND _____ X-WND _____ RWY LNPTH _____
 T/O DIST _____ X 1.5 _____ GT RWY LNPTH? Y/N _____
 LNDG DIST _____ X 1.5 _____ GT TWY LNPTH? Y/N _____

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I Y / N P


M Y / N

S 1 2 3 4 5 A

A Y / N V

F 1 2 3 4 5

E Y / N E



I Y / N P

M Y / N

S 1 2 3 4 5 A

A Y / N V

F 1 2 3 4 5

E Y / N E

