

New Weight and balance

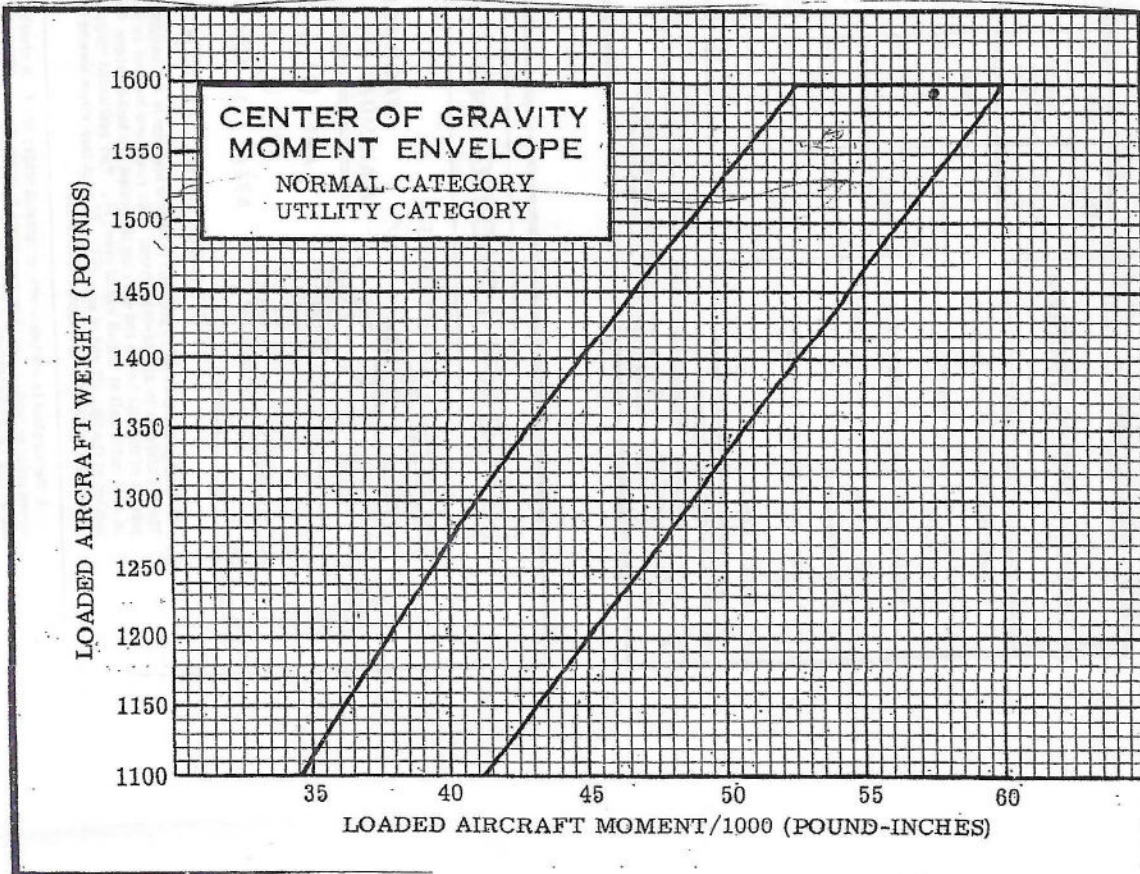
Removed Wheel Pants on main landing gear: -10 lbs

New empty weight of 1087.85

New moment of 36.3

New useful load of 512

1504

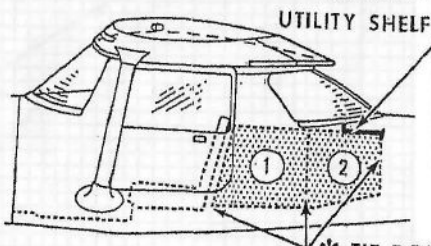


MAX wt 1600 MAX moment 60 useful load 500

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) . . .	1038	34.1		
2. Oil (6 qts. - Full oil may be assumed for all flights)	11	-0.1	1097.85	36.6
3. Fuel (Standard - 22.5 gal at 6 lbs./gallon). . .	136	5.7	135	5.8
Fuel (Long Range - 35 gal. at 6 lbs./gallon). . .				
4. Pilot and Passenger	340	13.3	340	13.7
5. Baggage - Area 1 (or children on child's seat)	76	4.9	10	1.2
6. Baggage - Area 2	0	0.0		
7. TOTAL WEIGHT AND MOMENT	1600	57.9	1,582.85	57.3

8. Locate this point (1600 at 57.9) on the center of gravity moment envelope, and since this point falls within the envelope, the loading is acceptable.

BAGGAGE LOADING AND TIE-DOWN



**BAGGAGE AREA
MAXIMUM ALLOWABLE LOADS**

AREA ① = 120 POUNDS
AREA ② = 40 POUNDS
AREAS ① + ② = 120 POUNDS

* TIE-DOWN NET ATTACH POINTS

* A cargo tie-down net is provided to secure baggage in the baggage area. The net attaches to six tie-down rings. Two rings are located on the floor just aft of the seat backs and one ring is located two inches above the floor on each cabin wall at the aft end of area ①. Two additional rings are located at the top, aft end of area ②. At least four rings should be used to restrain the maximum baggage load of 120#.

If the airplane is equipped with an optional utility shelf, it should be removed prior to loading and tying down large baggage items. (Slide the tab of the locking clips on each end of the shelf inboard to disengage the shelf from the aircraft structure.) After baggage is loaded and secured, either stow the shelf or, if space permits, install it for storing small articles.

