A/C Make Cessna
A/C Model 172H
A/C S/N 17255465
A/C N# N8815Z
Date 2/23/2025

A/C Gross Weight: 2,300

	Weight	Arm	Moment
Aircraft Previous Weight & Balance	1,429.60	36.10	51608.56
EQUIPMENT REMOVED			0.00
Directional Gyro	-2.50	54.00	-135.00
Vacuum gage	-1.00	54.00	-54.00
Attitude Gyro	-2.30	54.00	-124.20
Garmin GTR225 COM 1	-3.00	54.00	-162.00
AREA 660 AirGizmo mount and plug	-0.80	54.00	-43.20
cessna Instrument vacuum gage	-1.00	54.00	-54.00
Instrument air pressure regulator	-1.20	45.00	-54.00
Instrument air pump	-2.00	38.00	-76.00
			0.00
			0.00
			0.00
EQUIPMENT INSTALLED			0.00
Garmin G5 ADI	1.10	54.00	59.40
Garmin G5 H.S.I	1.10	54.00	59.40
Garmin GAD 29D	1.20	54.00	64.80
Garmin GMU11	1.00	107.00	107.00
Garmin GAD13	0.50	55.00	27.50
Garmin GTP-59 OAT probe	0.20	60.00	12.00
Garmin GTN750 GPS COM NAV	6.50	54.00	351.00
Garmin GA35 WAAS GPS antenna	1.00	95.00	95.00
Total	1428.40	36.18	51682.26

New A/C Empty Weight: 1428.40
New A/C CG: 36.18
New A/C Moment: 51682.26
New A/C Useful Load: 871.60

Supercedes: 6/8/2021

Signed:____________________
A&P 3677532

THIS EQUIPMENT LIST AND WEIGHT AND BALANCE IS TO REMAIN IN AIRCRAFT.

WEIGHT AND BALANCE.

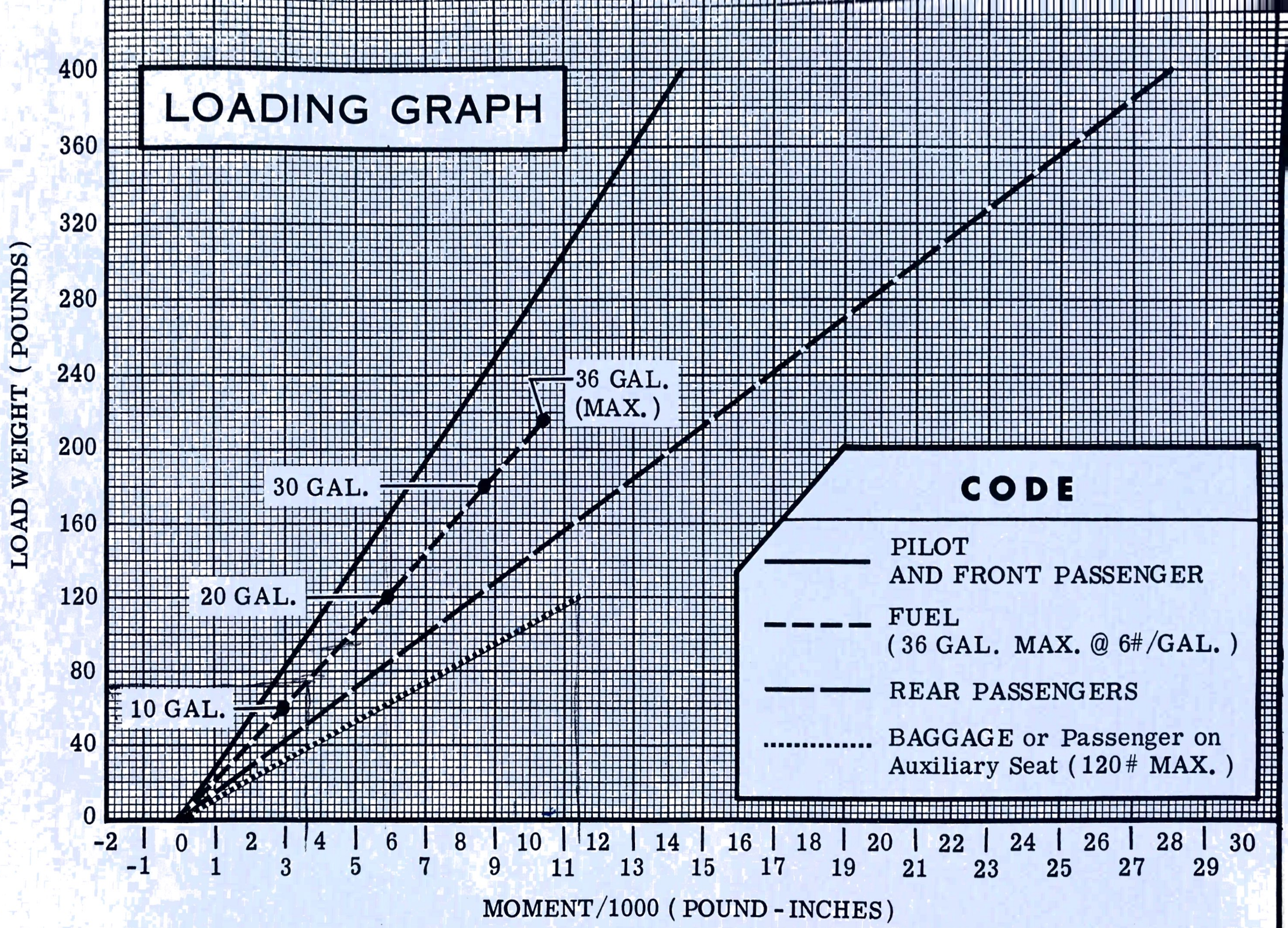
The following information will enable you to operate your Cessna within the prescribed weight and center of gravity limitations. To figure the weight and balance for your particular airplane, use the Sample Problem, Loading Graph, and Center of Gravity Moment Envelope as follows:

Take the licensed Empty Weight and Moment/1000 from the Weight and Balance Data sheet, plus any changes noted on forms FAA-337, carried in your airplane, and write them down in the proper columns. Using the Loading Graph, determine the moment/1000 of each item to be carried. Total the weights and moments/1000 and use the Center of Gravity Moment Envelope to determine whether the point falls within the envelope, and if the loading is acceptable.

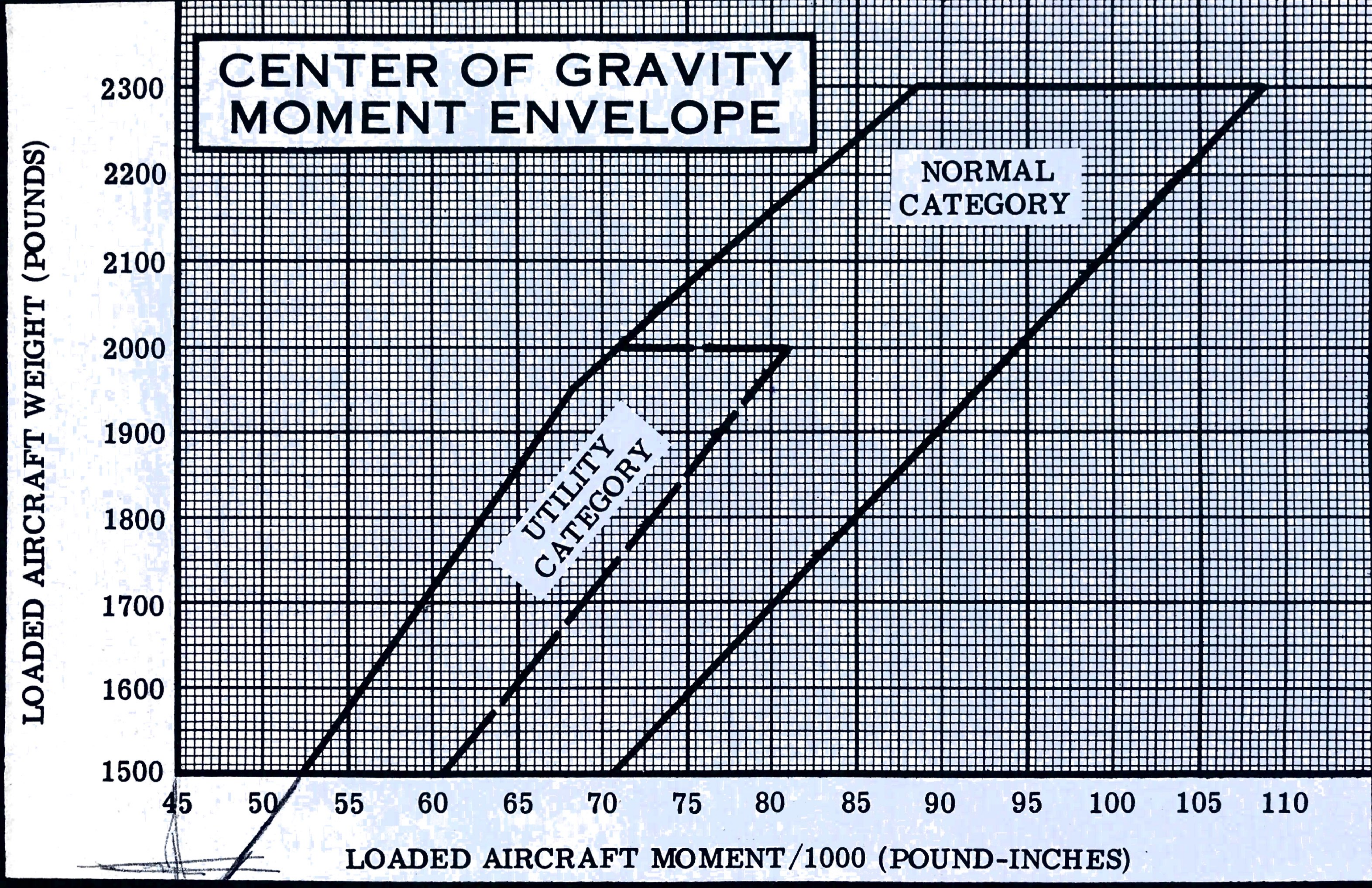
172 SAMPLE LOADING PROBLEM	Sample Airplane		N8815Z	
	Weight (lbs)	Moment (lb - ins. /1000)	Weight	Moment
1. Licensed Empty Weight (Sample Airplane) ... CG 36.2	1324	48.2	1428.4	51.682
2. Oil - 8 Qts.* .... Included in BEW	15	-0.3	NA	NA
3. Pilot & Front Passenger .... Arm 36	340	12.2		
4. Fuel- (36 Gal at 6#/Gal) .... Arm 48	216	10.4		
5. Rear Passengers .... Arm 70	340	23.8		
6. Baggage (or Passenger on Auxiliary Seat) ...... Arm 95	65	6.2		
7. Total Aircraft Weight (Loaded)	2300	100.5		

8. Locate this point (2300 at 100.5) 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.



LOADING GRAPH
LOAD WEIGHT (POUNDS)
400
360
320
280
240
200
160
120
80
40
0
36 GAL. (MAX.)
30 GAL.
20 GAL.
10 GAL.
CODE
PILOT AND FRONT PASSENGER
FUEL (36 GAL. MAX. @ 6#/GAL.)
REAR PASSENGERS
BAGGAGE or Passenger on Auxiliary Seat (120# MAX.)
-2 0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30
-1 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29
MOMENT/1000 (POUND - INCHES)


CENTER OF GRAVITY
MOMENT ENVELOPE
NORMAL
CATEGORY
UTILITY
CATEGORY
LOADED AIRCRAFT WEIGHT (POUNDS)
2300
2200
2100
2000
1900
1800
1700
1600
1500
45
50
55
60
65
70
75
80
85
90
95
100
105
110
LOADED AIRCRAFT MOMENT/1000 (POUND-INCHES)