

A/C Make Cessna
A/C Model 172E
A/C S/N 17251217
A/C N# N20997
Date 8/15/2024

A/C Gross Weight: 2,300

Aircraft Previous Weight & Balance
EQUIPMENT REMOVED

Weight	Arm	Moment
1,393.00	35.40	49312.20
		0.00
		0.00
		0.00
		0.00
		0.00
		0.00
		0.00
		0.00
		0.00
		0.00
2.20	62.00	136.40
		0.00
		0.00
		0.00
		0.00
		0.00
		0.00
Total		
1395.20	35.44	49448.60

EQUIPMENT INSTALLED
Garmin GTR205 COM 2

New A/C Empty Weight:
New A/C CG:
New A/C Moment:
New A/C Useful Load:

1395.20
35.44
49448.60
904.80

Supersedes: 11/20/2020

Signed: _____

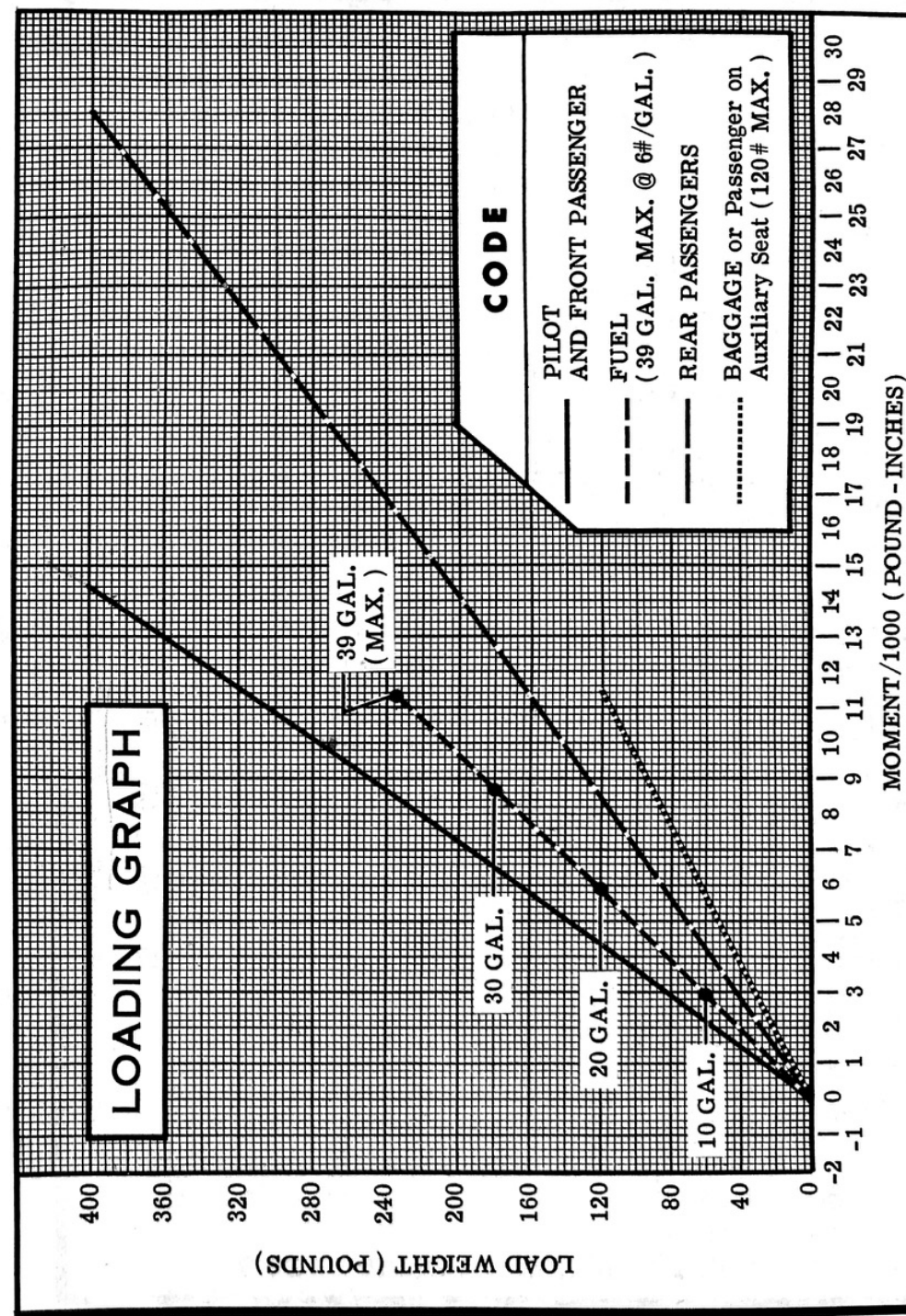
THIS EQUIPMENT LIST AND WEIGHT AND BALANCE IS TO REMAIN IN AIRCRAFT.

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		Your Airplane	
		Weight (lbs)	Moment (lb - ins. /1000)	Weight :	Moment :
1. Licensed Empty Weight (Sample Airplane) ...	Empty CG 35.44	1321	50.4	1395.2	49.449
2. Oil - 8 Qts.*	incl in empty wt	XX	XXXX	XX	XX
3. Pilot & Front Passenger	Arm 36	340	12.2		
4. Fuel- (39 Gal at 6#/Gal)	Arm 48	234	11.2		
5. Rear Passengers	Arm 70	340	23.8		
6. Baggage (or Passenger on Auxiliary Seat)	Arm 95	50	4.7		
7. Total Aircraft Weight (Loaded)		2300	102.0		
8. Locate this point (2300 at 102.0) 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.					



Section 4

care of the airplane



If your airplane is to retain that new plane performance and dependability, certain inspection and maintenance requirements must be followed. It is always wise to follow a planned schedule of lubrication and maintenance based on the climatic and flying conditions encountered in your locality.

Keep in touch with your Cessna Dealer and take advantage of his knowledge and experience. He knows your airplane and how to maintain it. He will remind you when lubrications and oil changes are necessary and about other seasonal and periodic services.

GROUND HANDLING.

The airplane is most easily and safely maneuvered by hand with the tow-bar attached to the nosewheel.

NOTE

When using the tow-bar, never exceed the turning angle of 30°, either side of center, or damage to the gear will result.

MOORING YOUR AIRPLANE.

Proper tie-down procedure is your best precaution against damage to your parked airplane by gusty or strong winds. To tie-down your airplane securely, proceed as follows:

- (1) Set the parking brake and install the control wheel lock.
- (2) Install a surface control lock between each aileron and flap.
- (3) Tie sufficiently strong ropes or chains (700 pounds tensile strength) to wing, tail, and nose tie-down fittings and secure each rope to ramp tie-down.

