

SAMPLE LOADING PROBLEM	SAMPLE AIRPLANE		YOUR AIRPLANE	
	Weight (lbs.)	Moment (lb.-ins./1000)	Weight (lbs.)	Moment (lb.-ins./1000)
1. Licensed Empty Weight (Use the data pertaining to your airplane as it is presently equipped. Includes unusable fuel.)	1366	53.8	1419.08	55.8
2. Oil (8 Qts. - The weight of full oil may be used for all calculations. 8 Qts. = 15 Lbs. at -0.2 Moment/1000).	15	-0.2	15	-0.2
3. Usable Fuel (At 6 Lbs./Gal.)				
Standard Tanks (38 Gal. Maximum)	228	10.9		
Long Range Tanks (48 Gal. Maximum)				
4. Pilot and Front Passenger (Station 34 to 46)	340	12.6		
5. Rear Passengers	340	24.8		
6.*Baggage Area 1 or Passenger on Child's Seat (Station 82 to 108) 120 Lbs. Max.	11	1.0		
7.*Baggage Area 2 (Station 108 to 142) 50 Lbs. Max.				
8. TOTAL WEIGHT AND MOMENT	2300	102.9		
9. Locate this point (2300 at 102.9) on the Center of Gravity Moment Envelope, and since this point falls within the envelope, the loading is acceptable.				
NOTE				
*The maximum allowable combined weight capacity for baggage areas 1 and 2 is 120 lbs.				

Weight / Balance & Equipment List Revision

VIP Aero Instruments and Avionics - CRS# TH5R223N

58 Lindbergh Dr.

Hartford, CT 06114 Tel: 860-525-5713

A/C Tail # : N12766
Register Name : CAP Flying Associates, Inc.
Name 2 :
Address 1 : 72 Tinker Pond Road
Address 2 :
City, State, PC : Bolton, CT 06043

A/C Make : CESSNA
A/C Model : 172M
A/C Serial # : 17262240
WO Ref # : 24970
WB Date : Jun-29-2020
WB ID # : 593

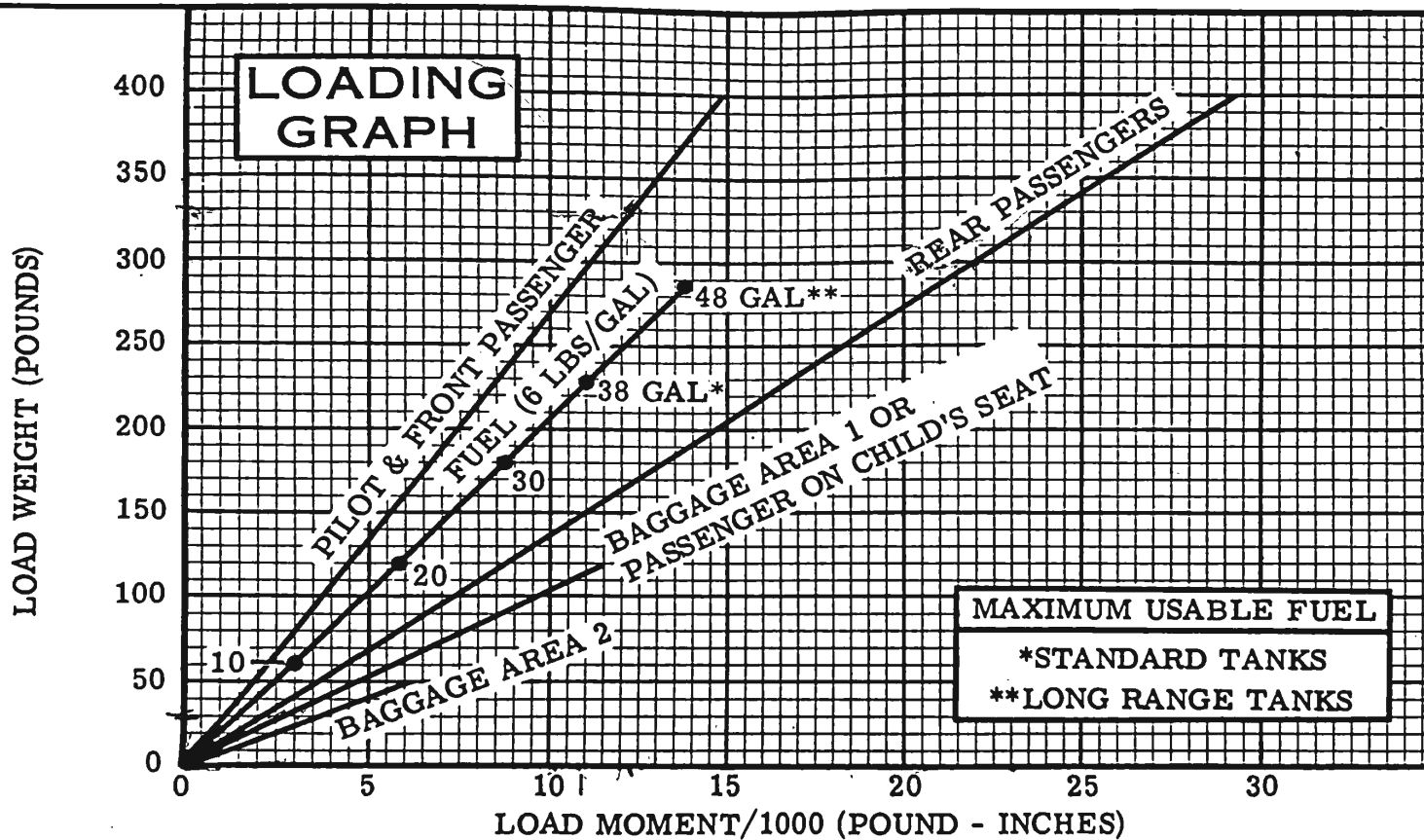
Previous data taken from document dated Jun-26-2020 Previous useful load = 876.74

Model # Serial #	Description Part #	(LB / IN) Weight	CG/Arm	Moment
	Previous data ->	1423.26	39.23	55839.89
REMOVED ITEMS -----				
GI106A B04-10038	ILS/GPS INDICATOR 013-00049-01	-1.25	14.00	-17.50
4000H-5 T49575C	DIRECTIONAL GYRO 1U262-034-6	-2.80	14.00	-39.20
5000B-36 T101679N	ATTITUDE GYRO 23-501-06-16	-1.80	14.00	-25.20
MD26-14 E97533	INVERTER MD26-14	-0.50	13.50	-6.75
AR850 44933	BLIND ENCODER AR850	-0.70	13.00	-9.10
REMOVED SUB TOTAL	5 Items @	-7.05	13.87	-97.75
INSTALLED ITEMS -----				
GMU11 56J020401	MAGNETOMETER 011-04349-01	0.26	53.00	13.78
GAD29B 5DL010514	A/P ADAPTER 011-03236-11	0.65	13.00	8.45
G5 (ATT) 4JQ039731	ELECTRONIC FLIGHT DISPLAY 011-03809-00	0.98	17.00	16.66
G5 (HSI) 4JQ039657	ELECTRONIC FLIGHT DISPLAY 011-03809-00	0.98	17.00	16.66
INSTALLED SUB TOTAL	4 Items @	2.87	19.36	55.55
NEW DATA >>	NEW USEFUL LOAD = 880.92	1419.08	39.32	55797.69

WITH WHEEL PANTS REMOVED



Authorized Individual : CRS# TH5R223N Ed Rowley



- NOTES: (1) Line representing adjustable seats shows the pilot or passenger center of gravity on adjustable seats positioned for an average occupant. Refer to the Loading Arrangements diagram for forward and aft limits of occupant c.g. range.
- (2) Engine Oil: 8 Qts. = 15 Lbs. at -0.2 Moment/1000.

