



FAA CRS WQ3R954L

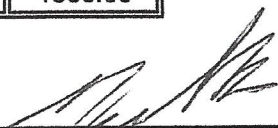
WEIGHT AND BALANCE AND EQUIPMENT LIST SUPPLEMENT SHEET

Customer Name: FM Aviation
 Aircraft Type: CESSNA
 Model: 150J
 Serial #: 15069850

Date: 5-Aug-20
 Registration #: N51225
 Work Order #: 38454

Note: This weight & balance calculation is a result of the weight of the aircraft with installed equipment less unuseable fuel & oil & the distances between nose wheel, datum & main gear. These new values supersede all previous values.

		WEIGHT	ARM	MOMENT
Data from weight & balance report		1075.40	33.05	35543.90
6/7/2000				
ITEMS REMOVED:	S/N			
Narco AT 150 transponder		(2.50)	13	32.50
				0.00
				0.00
				0.00
Total Removed		(2.50)		32.5
ITEMS INSTALLED:	S/N			
Appareo Stratus ESG transponder and tray	82859	3.30	13.00	42.90
RAMI GPS antenna P/N AV-801	200167	0.50	30.00	15.00
				0.00
				0.00
Total Installed		3.80	43.00	57.90
CHANGE IN DATA:		1.30		25.40
AIRCRAFT NEW EMPTY WEIGHT		1076.70		
AIRCRAFT NEW CENTER OF GRAVITY		33.04		
AIRCRAFT NEW MOMENT		35569.30		
AIRCRAFT NEW USEFUL LOAD		523.30		
GROSS AIRCRAFT WEIGHT		1600.00		

SIGNED: 
 M Bruno

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.

NOTE

The Weight and Balance Data sheet noted above is included in the aircraft file. The Loading Graph and Center of Gravity Moment Envelope shown in this section are also on the sheet titled Loading/Center of Gravity Charts and Weighing Procedure which is provided in the aircraft file.

SAMPLE AIRPLANE	YOUR AIRPLANE	
	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
3. Fuel (Standard - 22.5 gal at 6 lbs./gallon). Fuel (Long Range - 35 gal. at 6 lbs./gallon).	135	5.7
4. Pilot and Passenger.	340	13.3
5. Baggage - Area 1 (or children on child's seat)	76	4.9
6. Baggage - Area 2.	0	0.0
7. TOTAL WEIGHT AND MOMENT	1600	57.9
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

UTILITY SHELF

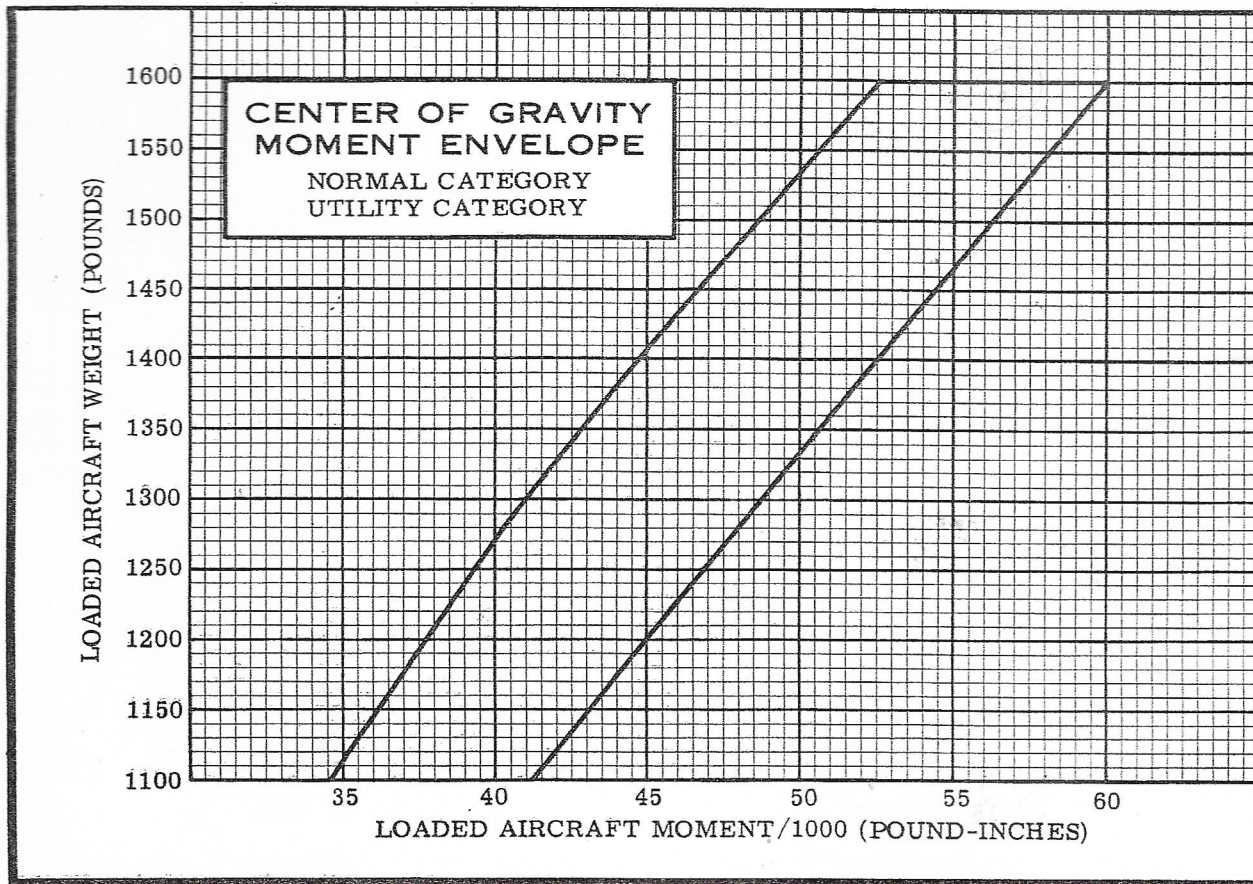
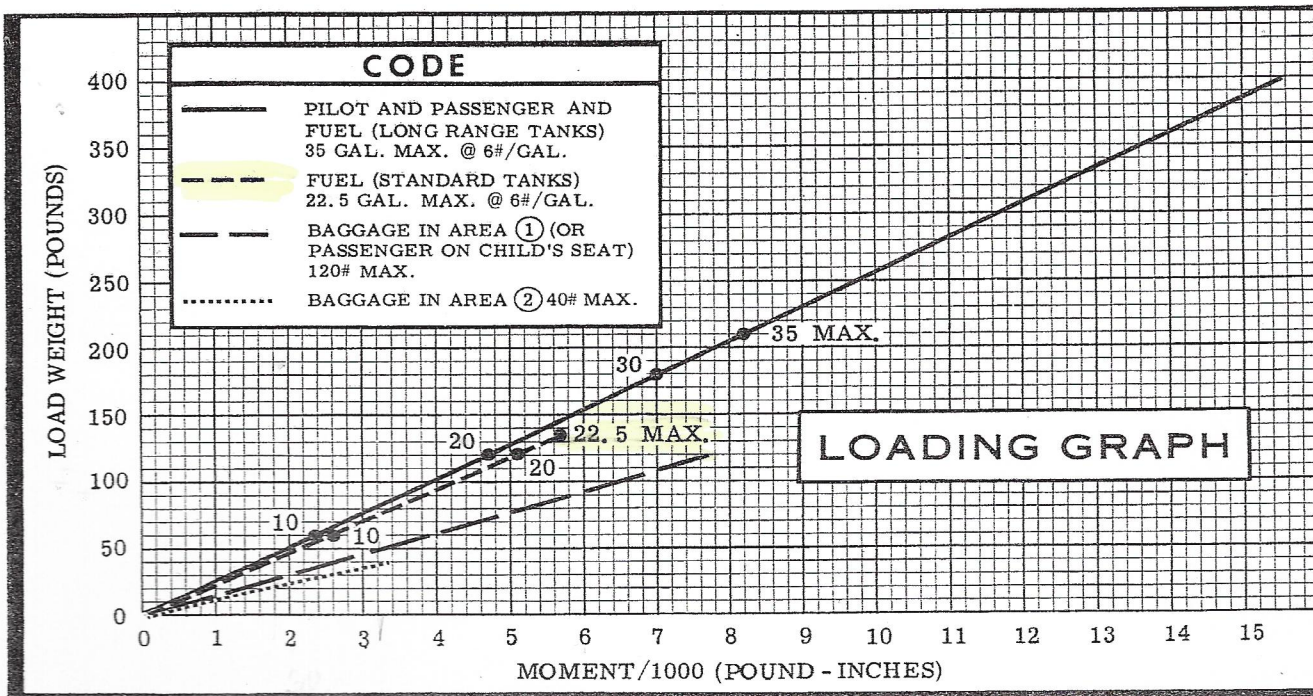
**BAGGAGE AREA
MAXIMUM ALLOWABLE LOADS**

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 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.



WEIGHT and BALANCE FORM

ITEM	WEIGHT (pounds)	ARM (inches)	MOMENT (pound-inches)
1 Basic Empty Weight			
2 Fuel (@ 6 lbs. per gal)		42.2	
3 Front Seat Passengers		39.12	
4 Baggage		64.5	
5 OIL (6PTS)	11	-0.009	-0.1
6			
7			
8			
9			
10			
TOTAL			
C.G. =		INCHES	