

CESSNA AIRCRAFT COMPANY

WICHITA, KANSAS

MODEL 172H

Weight & Balance Data

Aircraft Serial No. **17255961** F. A. A. Registration No. **N2761L** Date: **2-28-67**

ITEM	Weight (lbs.)	X	C. G. Arm (inches)	= Moment (lb. ins.)
Standard Airplane (Empty, Dry & Unpainted) XXXXX Computed	1267.0		36.5	46246
Optional Equipment	62.5		31.4	1963
Special Installations (DOM Approved)	----		----	----
Paint XXXXXX Over-All	18.5		99.5	1841
Unusable Fuel (3.0 Gal)	18.0		46.0	828
Licensed Empty Weight = Total of Items Above	1366.0		37.2	50878

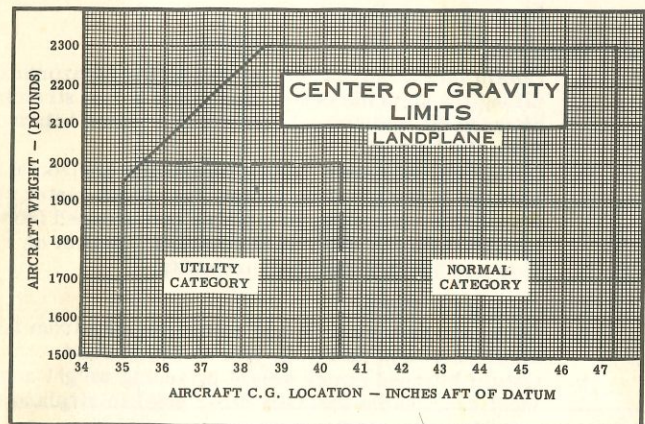
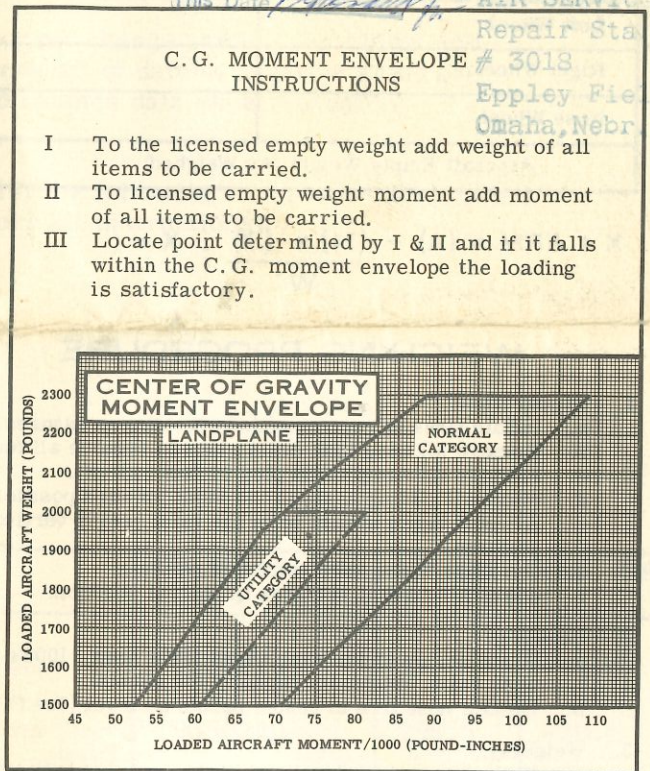
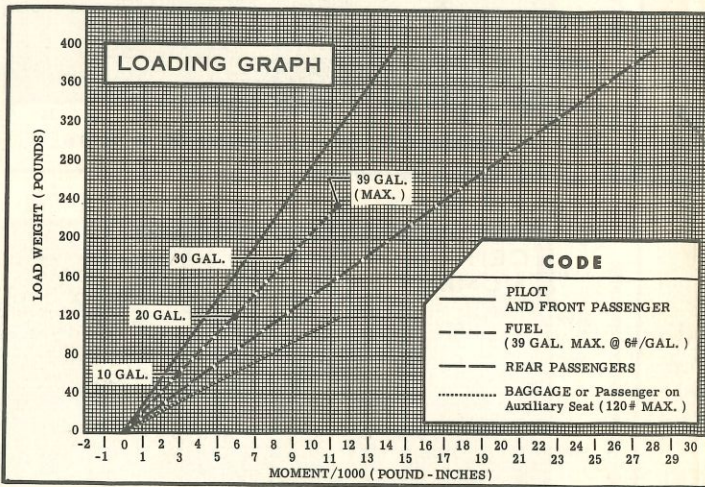
(GROSS WEIGHT) - (LICENSED EMPTY WT.) = USEFUL LOAD
 (2300 LBS) - (1366 LBS) = 934 LBS

SAMPLE LOADING PROBLEM

	Weight (lbs)	C. G. Arm (inches)	Moment (lb-ins/1000)
Licensed Empty Wt.	1366		50.9
Oil (8 Qts.)	15	-20.0	-0.3
Pilot & Front Passenger	340	36.0	12.2
Fuel	119	48.0	5.7
Rear Seat Passengers	340	70.0	23.8
Baggage	120	95.0	11.4

Total Loaded Airplane = 2300 103.7

Locate this point (2300; 103.7) on the C. G. Moment Envelope. Since the point falls within the envelope the loading meets all balance requirements.



IT IS THE RESPONSIBILITY OF THE PILOT AND AIRPLANE OWNER TO INSURE THAT THE AIRPLANE IS LOADED PROPERLY. THE EMPTY WEIGHT C. G. & USEFUL LOAD ARE FOR THE AIRPLANE AS DELIVERED FROM THE FACTORY. REFER TO FORM FAA-337 WHEN ALTERATIONS HAVE BEEN MADE.

Rapid Avionics, Inc
3875 Airport Rd
Rapid City, SD 57703
CRS#2R7R000C

Supplement Equipment List/Weight and Balance

Customer:

Danny Muzik
211 4th Ave
Wall, SD 57790

Aircraft:

Make/Model Cessna/172H
Serial No. 17255961
Reg No. N2761L

Date: 10/29/14

Removed:


Narco MK XII with VOA 4 & power supply	-16.50	45.0	- 742.50
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Installed:

Icom IC-A200 transceiver	2.50	15.0	37.50
Narco AT150 Transponder	2.30	15.0	34.50
Transcal SSD120-30 encoder	.50	13.0	6.50

New Aircraft Empty Weight 1372.30 Empty Weight CG 37.03
New Empty Weight Moment 50817.50 Useful Load 927.70

Signed


Tony J Fremo CRS#2R7R000C