

Run: 5/27/2008
11:15AM

Wisconsin Aviation-Four Lakes, Inc.
Aircraft Weight & Balance Report

CWSA

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Aircraft: N49288

Type: CESSNA 152

S/N: 15281226

Model:

Prior Empty Weight: 1,188.7

As Of: 5/13/1991

Prior Useful Load: 481.3

Prior Longitudinal Moment: 37,978.9650

Arm: 31.9500

Items Removed:

Date	Description	Weight	Longitudinal	
			Arm	Moment
5/27/2008	TDR-950 p/n 622-3004-001 s/n 1890	2.00	28.9000	57.8000
5/27/2008	transponder antenna	0.00	0.0000	0.0000
	Total of Items Removed:	2.00		57.8000

Items Installed:

Date	Description	Weight	Longitudinal	
			Arm	Moment
5/27/2008	KT-76A p/n 066-1062-10 s/n 102340	3.10	26.4000	81.8400
5/27/2008	CI-105 transponder antenna s/n 39022	0.00	0.0000	0.0000
	Total of Items Installed:	3.10		81.8400

New Final Figures:

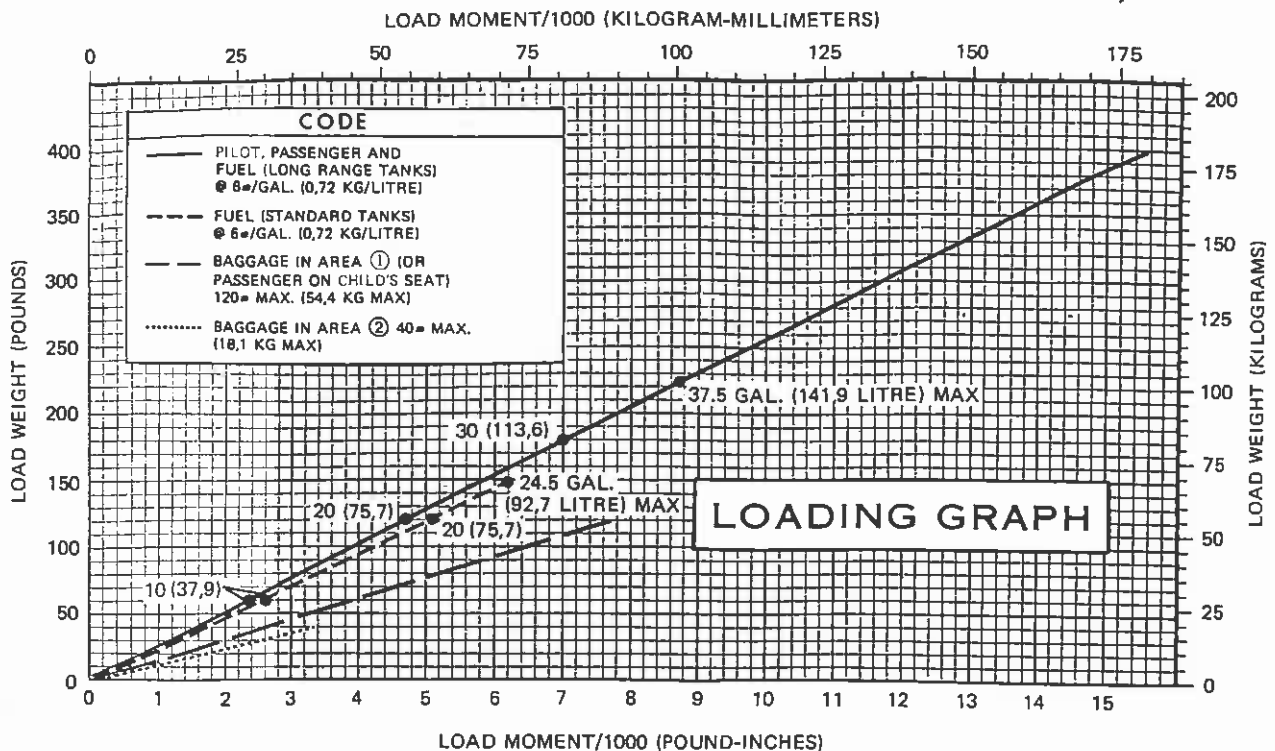
Weight: 1,189.80 Useful Load: 480.20
Longitudinal Moment: 38,003.0050 Arm: 31.9407

It is the operator's responsibility to determine that the aircraft remains within the safe weight and balance limits. Refer to weight and balance data for loading instructions.

Signed: E. J. P. [Signature]

Wisconsin Aviation, Inc
Dane County Regional Airport
3600 Corben Court
Madison, WI 53704
608-268-5006
CSR# DBKR124D

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NOTES: 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.

Figure 6-7. Loading Graph

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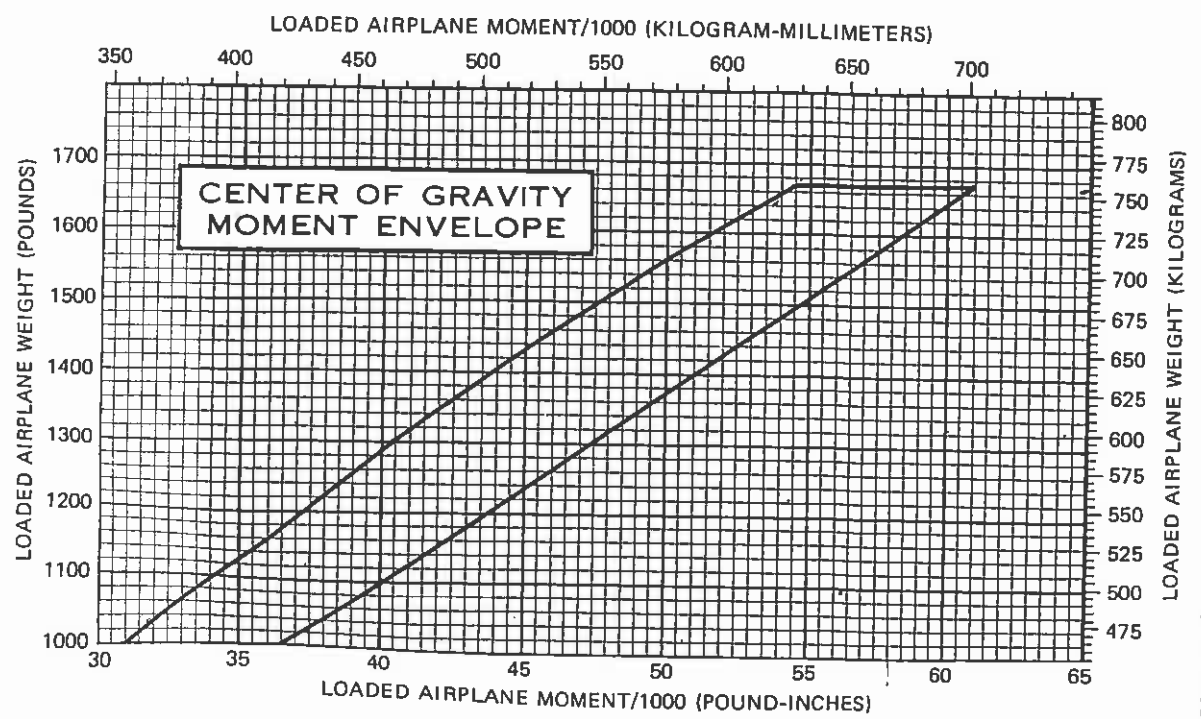


Figure 6-8. Center of Gravity Moment Envelope

SAMPLE LOADING PROBLEM

1. Basic Empty Weight (Use the data pertaining to your airplane as it is presently equipped. Includes unusable fuel and full oil)
2. Usable Fuel (At 6 Lbs./Gal.)
Standard Tanks (24.5 Gal. Maximum)
Long Range Tanks (37.5 Gal. Maximum)
Reduced Fuel (As limited by max. weight)
3. Pilot and Passenger (Station 33 to 41)
4. *Baggage - Area 1 (Or passenger on child's seat)
(Station 50 to 76, 120 Lbs. Max.)
5. *Baggage - Area 2
(Station 76 to 94, 40 Lbs. Max.)
6. RAMP WEIGHT AND MOMENT
7. Fuel allowance for engine start, taxi, and runup
8. TAKEOFF WEIGHT AND MOMENT
(Subtract Step 7 from Step 6)
9. Locate this point (1670 at 56.6) on the Center of Gravity Moment Envelope, and since this point falls within the envelope, the loading is acceptable.
*The maximum allowable combined weight capacity for baggage areas 1 and 2 is 120 pounds.

SAMPLE AIRPLANE	YOUR AIRPLANE	
	Weight (lbs.)	Moment (lb.-ins./1000)
	1136	34.0
	147	6.2
	340	13.3
	52	3.3
	1675	56.8
	-5	-.2
	1670	56.6

LOADING ARRANGEMENTS

*Pilot or passenger center of gravity on adjustable seats positioned for average occupancy. Numbers in parenthesis indicate forward and aft limits of occupant center of gravity range.

**Arms measured to the center of the areas shown.

1. The usable fuel C.G. arm for standard tanks is located at station 42.0; the C.G. arm for usable fuel in long range tanks is station 39.5.
2. The aft baggage wall (approximate station 94) can be used as a convenient interior reference point for determining the location of baggage area fuselage stations.

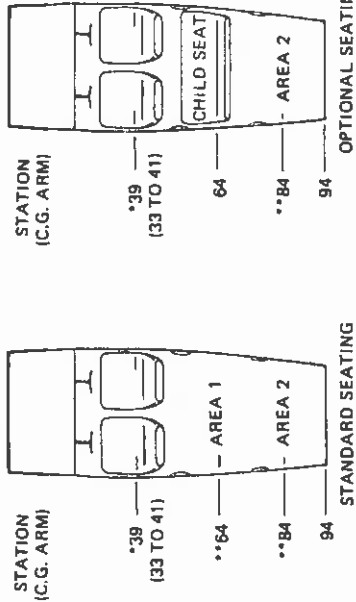


Figure 6-3. Loading Arrangements

Figure 6-6. Sample Loading Problem (Sheet 1 of 2)