

N69053 last Weight and Balance as weighed by George McClellan conducted 27-Oct-2018. Use the latest values\*\* as the aircraft has received modifications since 1978 and weighs more than original delivered value.

1 July 1978

SAMPLE LOADING PROBLEM	SAMPLE AIRPLANE		YOUR AIRPLANE	
	Weight (lbs.)	Moment (lb. -ins. /1000)	Weight (lbs.)	Moment (lb. - ins. /1000)
1. Basic Empty Weight (Use the data pertaining to your airplane as it is presently equipped. Includes unusable fuel and full oil) . . . . .	1136	34.0	** 1177	** 33.8
2. Usable Fuel (At 6 Lbs./Gal.)				
Standard Tanks (24.5 Gal. Maximum) . . . . .	147	6.2		
Long Range Tanks (37.5 Gal. Maximum) . . . . .			N/A	N/A
Reduced Fuel (As limited by maximum weight) . . . . .				
3. Pilot and Passenger (Station 33 to 41) . . . . .	340	13.3		
4. *Baggage - Area 1 (Or passenger on child's seat) (Station 50 to 76, 120 Lbs. Max.) . . . . .	52	3.3		
5. *Baggage - Area 2 (Station 76 to 94, 40 Lbs. Max.) . . . . .				
6. RAMP WEIGHT AND MOMENT	1675	56.8		
7. Fuel allowance for engine start, taxi, and runup . . . . .	-5	-.2	-5	-0.2
8. TAKEOFF WEIGHT AND MOMENT (Subtract Step 7 from Step 6)	1670	56.6		
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.				

CESSNA  
MODEL 152

SECTION 6  
WEIGHT & BALANCE/  
EQUIPMENT LIST

Figure 8-6 Sample Loading Problem

Reminder - Maximum Take Off Weight is 1670 lbf.