



NTSB MEMORANDUM FOR RECORD

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National Transportation Safety Board

NTSB Accident Number: ERA16FA288

The following is an estimated weight and balance calculation for the accident flight.

Shelbyville, IN (GEX) to Fredericksburg, VA (EZF)		
Weight and Balance		
N128VB (B-55, TC1211)	LBS	Moment/100
Basic Empty Weight	3480	2683.4
Front Seat Occupants	415	361.05
3rd and 4th Seats	305	390.4
5th and 6th Seats	190	292.6
Nose Baggage	0	0
Rear Baggage	10	15
Aft Baggage	0	0
Sub Total Zero Fuel Weight	4400	3742.5
Fuel Mains	420	315
Fuel Auxiliary	180	167
Ramp Weight	5000	4216.2
Start, Taxi, Takeoff Burn	-21	-16
Takeoff Weight	4979	4208.45
<i>Takeoff CG</i>	84.5	
Less Fuel (Mains)	-180	-135
Less Fuel (Auxiliary)	-120	-111.6
Landing Weight	4679	3961.85
<i>Landing CG</i>	84.7	



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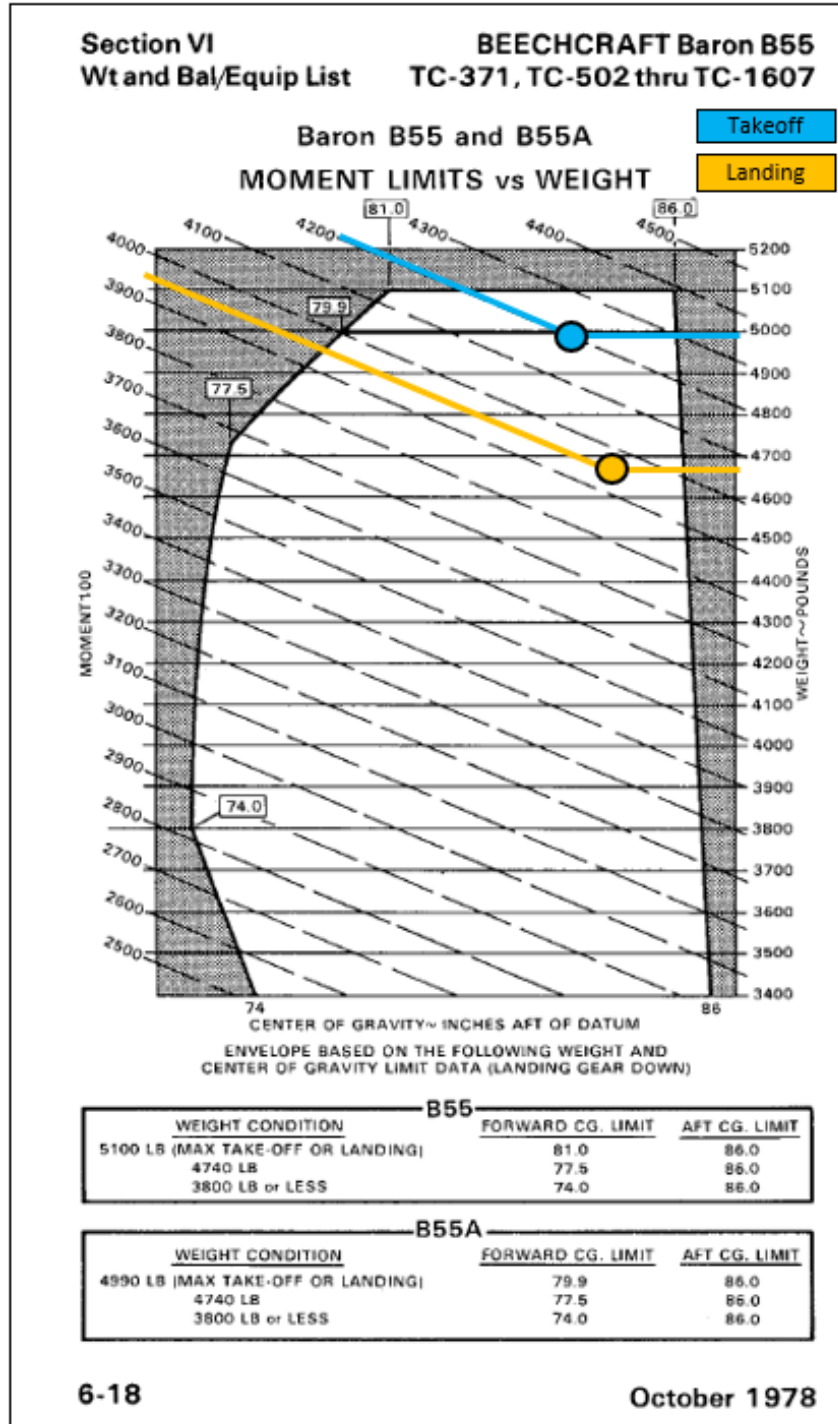


Figure 1: Moment and Limits Chart from Pilot's Operating Handbook



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AVERITT AVIATION
 Sparta In 38583

Weight And Balance

Reg. Number: 128VB Make/Model: BEECHCRAFT B-55 Year: Serial Number: TC1211	Date: 10-11-1999 Tach: 895.3 Max Weight: 5100 Work Order: 1365
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New A/C Empty Weight:	3480.0	Landing C.G. Range:	
New A/C Empty C.G.:	77.11	Gear Extended C.G. Range:	
New A/C Useful Load:	1620.0	Empty Weight C.G. Range:	

Description	Serial Number	Weight	Arm	Moment	Installed	Removed
Previous Aircraft Empty	TC1211	3430.0	77.18	264741.0		
Removed						
Installed						
add unuseable fuel		41.00	79.00	3235.0	X	
add unuseable oil		9.00	42.00	378.0	X	
New Aircraft Values		3480.0	77.11	268358.0		

STAPLES