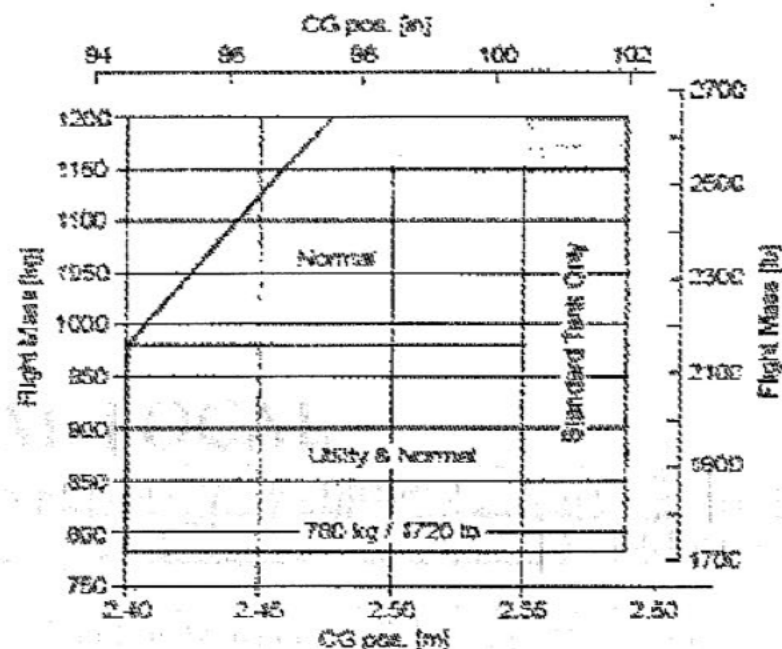


DUAL-LOCAL

Name: Michael Carpenter A/C Type: Cessna Tail #: 934 JH Date: 23 June 22 Flight Lesson #: FL 13A
 Instructor: Blake Shumway Signature: [Redacted] Aircraft Sanitized? Y (N)
 Route/Practice Area:

Time enroute: 55 m Time due back: 1900 Students Signature: [Redacted]
 Abnormals: Circle - Fuel: 40 50 Autopilot: None KAP GFC

	Weight	Arm	Moment
Empty Weight	1182.22	30.57	36564
Pilot & Front PAX	200	39	14820
Rear PAX	—	—	—
Baggage	—	—	—
Zero Fuel CG	1566.22	CG: 32.8	51384
Fuel in LBS	102	40	4080
Take off Weight	1668.22	33.24	55464
Fuel Burn	-30	40	-1200
Landing Weight	1638.22	33.12	54264
Max Gross Weight	1670		
	Forward	Act	Aft
CG	32.5	33.8	36.5



V Speeds	
Vr	51
Vx	55
Vy	67
Vg	60
Va	93-104
Rate of Climb	
450	
Plot the CG locations on the graph	
*WX information has all been moved to the reverse side.	

DUAL-LOCAL

Name: Michael Carpenter A/C Type: DA-40 Tail #: 9345H Date: 29 June 2022 Flight Lesson #: FL13A

Instructor: Blake Shumway Signature: [Redacted] Aircraft Sanitized? Y (N)

Route/Practice Area:

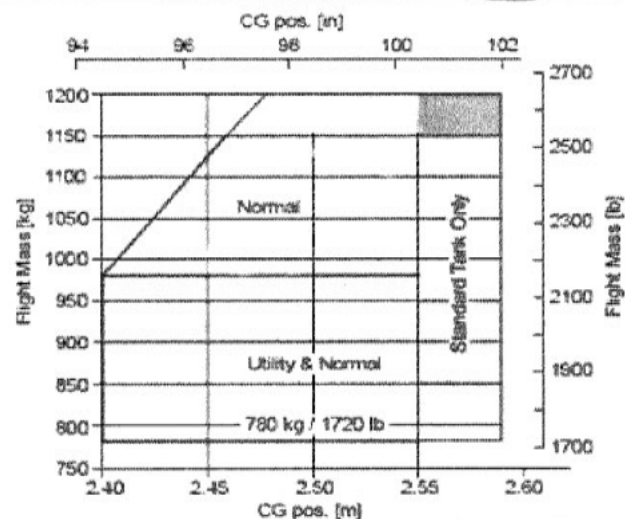
Time enroute: 2-H Time due back: 0942 Students Signature: [Redacted]

Abnormals: N/A Circle - Fuel: 40 50 Autopilot: (None) KAP GFC

	Weight	Arm	Moment
Empty Weight	1186.22	30.47	36564
Pilot & Front PAX	380	39	14820
Rear PAX	—	—	—
Baggage	—	—	—

Zero Fuel CG	1566.22	CG: 32.8	51384
Fuel in LBS	78	40	3120
Take off Weight	1644.22	33.14	54504
Fuel Burn	45	40	1800
Landing Weight	1599.22	32.95	52704
Max Gross Weight	1670		

	Forward	Act	Aft
CG	32.4	33.04	36.5



V Speeds	
Vr	<u>210</u> 51
Vx	<u>55</u>
Vy	<u>63</u>
Vg	<u>60</u>
Va	<u>104</u>

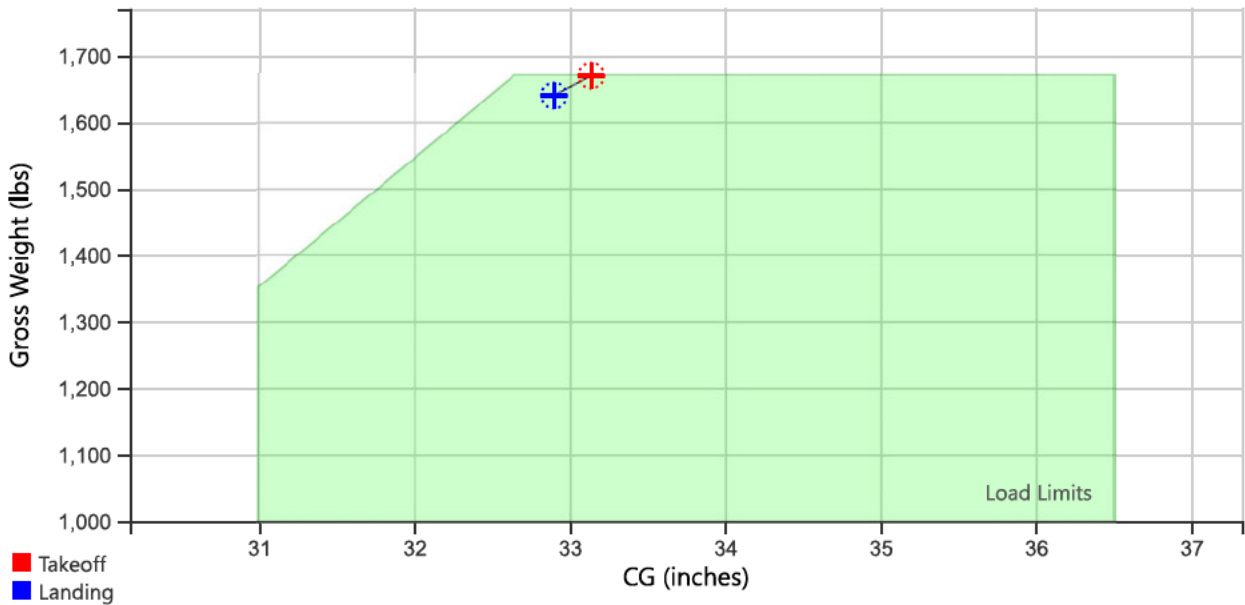
Rate of Climb
450 FPM

Plot the CG locations on the graph

*WX information has all been moved to the reverse side.

Cessna 152 Weight & Balance Calculator

Weight & Balance / Cessna 152



Save Load Reset

ITEM	Weight	Arm	Moment
Basic Empty Weight	1186.22	30.47	36144.12
Pilot 1	167	39	6513
Pilot 2	215	39	8385
Basic Condition	1568.22	CG: 32.55	51042.12
Baggage Area 1		64	0
Baggage Area 2		84	0
Zero Fuel Condition	1568.22	CG: 32.55	51042.12
Fuel Load	19 x 6 = 114	42.2	4810.8
Ramp Condition	1682.22	CG: 33.2	55852.92
Fuel Burned On Ground(-)	2 x 6 = 12	42.2	-506.4
TakeOff Condition	1670.22	CG: 33.14	55346.52
Fuel Burned During Flight(-)	5 x 6 = 30	46.00	-1380
Landing Condition	1640.22	CG: 32.9	53966.52

Maneuvering Speed (V_A) :

V_A @ Max Gross Weight

104

Aircraft Weight :

1610.22

Max Gross Weight :

1670

Maneuvering Speed (V_A) :

102

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