

Weight and Balance/Equipment List



Angel Aviation

2301 Merrill Field Dr. Ste A1
Anchorage, AK 99501

Phone: 907-312-8298

Email: jasonb@angelaviation.com

Work Order: 491
Date: 5/22/2023

Registration #:	N9002H	Previous Weight Informaion	
Serial:	17265892	Aircraft Gross Weight:	2550
Make:	Cessna	Previous Empty Weight:	1425.17
Model:	172M	Previous CG:	39.01
Tach/Hobbs:	1499.4	Previous Moment:	55,590.83

Aircraft Weighing			
Description	Weight	Arm	Moment
Right scale	599		
Left scale	620		
Nose scale (F)	510		
Weight Sub-Total (W)	1729	39.2021	67780.375

Weight Calculation

Nose wheel type aircraft with datum located forward of the main wheels:
 $CG = D - [(FxL)/W]$

Items subtracted			
Description	Weight	Arm	Moment
Fuel, mains 38 gal	-228	48	-10944
Removed Sub-Total	-228		-10944

Notes

Weighed aircraft on wheels. Weighed with full oil and full fuel (all fuel subtracted from weight).
 Datum is located: Firewall
 Leveling means: Longitudinally with two screws left side tailcone
 Mains distance in inches aft of datum (D): 58.375
 Mains distance in inches aft of nose (L): 65

New Weight Information:			
Empty Weight	Empty Weight CG	Moment	Useful Load
1501	37.86567288	56,836.38	1049

Mechanic Signiture:

Cert #:

Date:

Jason Bailey

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5/22/23