EQUIPMENT CHANGE - WEIGHT & BALANCE

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REG. NO.	MODEL	Serial No.
N8355S	182H	18256455

Items: (Description / P/N / S/N)	Weight Pounds	Arm Inches	Moments Inch/Pounds
Previous Aircraft Empty Weight:	0	0	0
			0
			0
			0
NOSE SCALE	680	-5.4	-3672
LEFT MAIN SCALE	813	59.5	48373.5
RIGHT MAIN SCALE	785	59.5	46707.5
			0
DEDUCT FUEL FROM LEFT & RIGHT TANK 79 GAL USABLE	-474	48.05	-22775.7
			0
			0
			0
			0
			0
			0
			0
Totals	1804		68633.3

A. Old Empty Weight	0 Pounds
B. Old Empty CG	0 Inches
C. Old Empty Weight CG Moment	0 Inch/Pounds
D. Max Gross Weight	2,800 Pounds
E. Old Useful Load	0.00 Pounds

A. New Empty Weight	1804 Pounds
B. New Empty CG	38.0451 Inches
C. New Empty Weight CG Moment	68633.3 Inch/Pounds
D. Max Gross Weight	2800 Pounds
E. New Useful Load	996 Pounds

This new weight & balance information supersedes all previous weight and balance data.
For aircraft loading, see instructions in Weight & Balance Section of Aircraft Flight Manual.

FAA Form 337 Completed?	YES
Equipment List Amended?	YES

Signature: Ben Werthwein

A&P#: 2709574

Date: 1/19/2021

Notes:

WEIGHT AND BALANCE.

The following information will enable you to operate your Cessna within the prescribed weight and center of gravity limitations. To figure the weight and balance for your particular airplane, use the Sample Problem, Loading Graph, and Center of Gravity Moment Envelope as follows:

Take the licensed Empty Weight and Moment/1000 from the Weight and Balance Data sheet, plus any changes noted on forms FAA-337 carried in your airplane, and write them down in the proper columns. Using the Loading Graph, determine the moment/1000 of each item to be carried. Total the weights and moments/1000 and use the Center of Gravity Moment Envelope to determine whether the point falls within the envelope, and if the loading is acceptable.

SAMPLE LOADING PROBLEM	Sample Airplane		N8355S	
	Weight (lbs)	Moment (lb - ins. /1000)	Weight	Moment
1. Licensed Empty Weight (Sample Airplane) ...	1660	57.9	1804	68.633
2. Oil - 12 Qts.*	22	-0.3	~~22~~	~~-0.3~~
3. Pilot & Front Passenger	340	12.2		
4. Fuel- (60.0 Gal at 6#/Gal)	360	17.3		
5. Rear Passengers	340	24.1		
6. Baggage (or Passenger on Auxiliary Seat) ...	78	7.6		
7. Total Aircraft Weight (Loaded)	2800	118.8		

CG 38.0451

Included in BEW

Arm 36

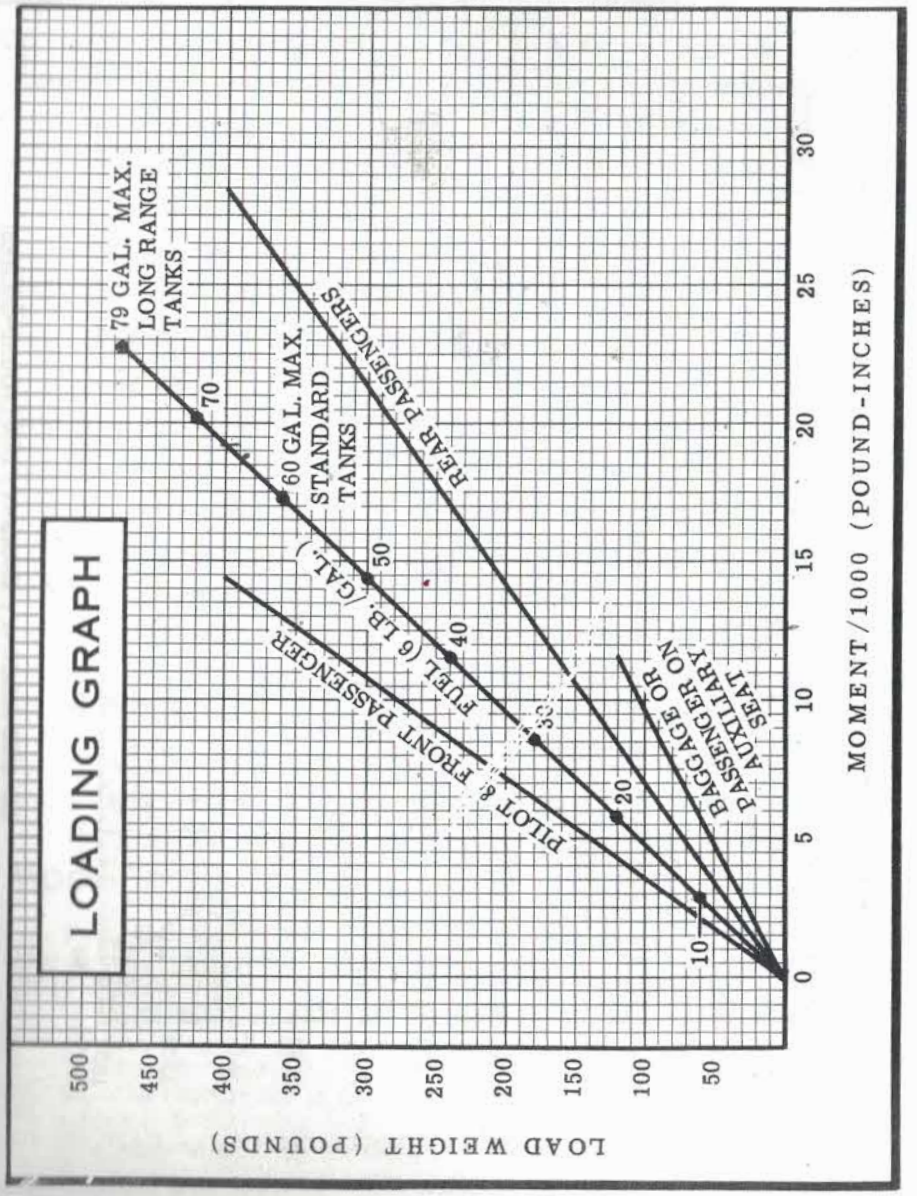
Arm 48

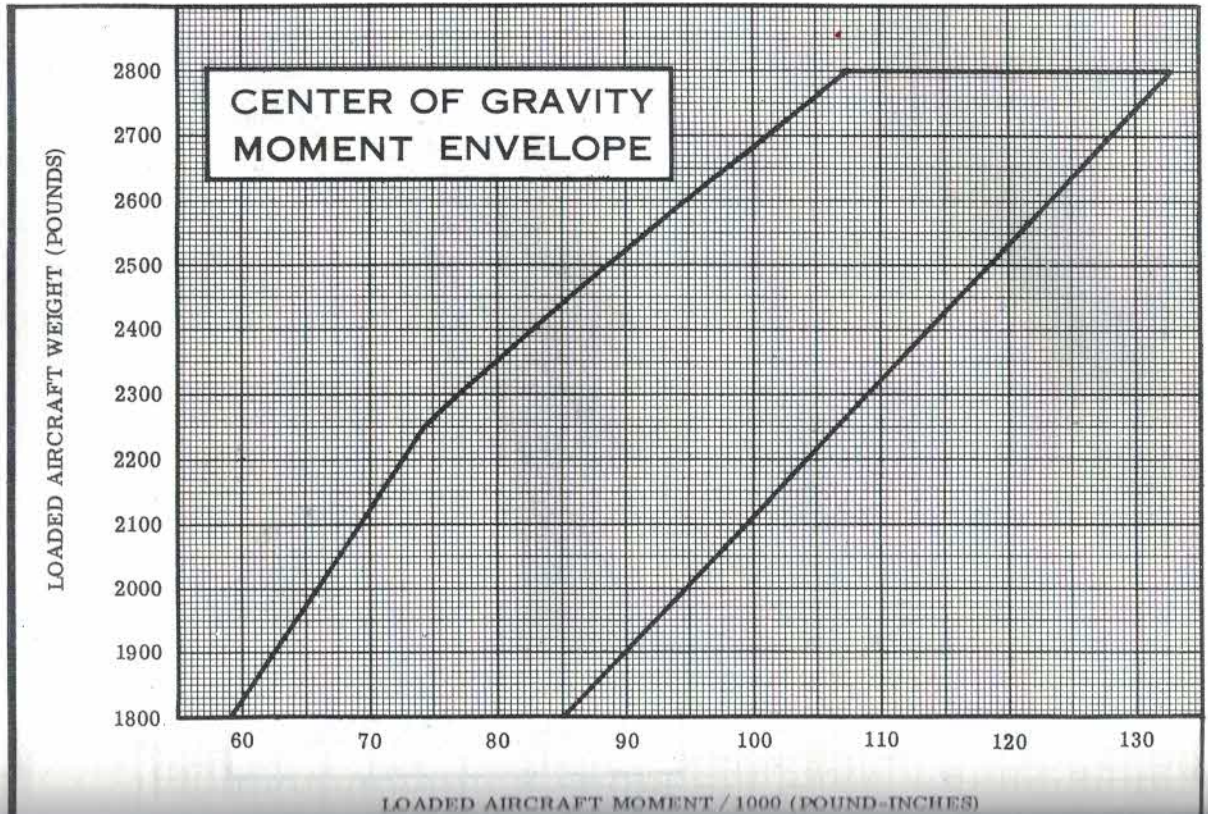
Arm 71

Arm 97

8. Locate this point (2800 at 118.8) on the center of gravity envelope, and since this point falls within the envelope the loading is acceptable.

*Note: Normally full oil may be assumed for all flights.




CENTER OF GRAVITY
MOMENT ENVELOPE
LOADED AIRCRAFT WEIGHT (POUNDS)
2800
2700
2600
2500
2400
2300
2200
2100
2000
1900
1800
60
70
80
90
100
110
120
130
LOADED AIRCRAFT MOMENT / 1000 (POUND-INCHES)