

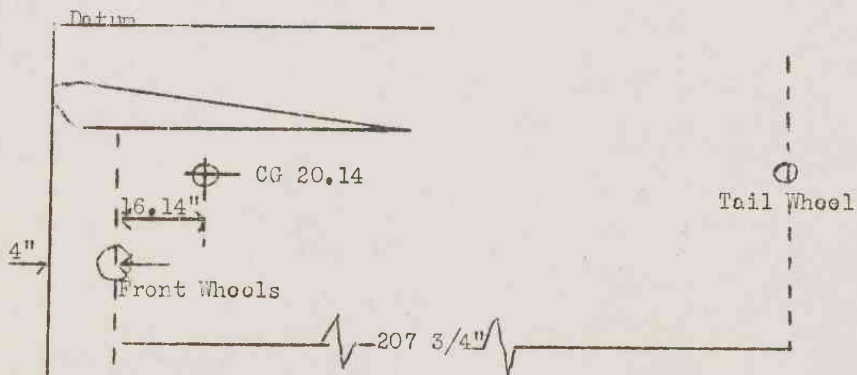
Baggage 50 lbs. / 54 Arm
 Baggage 100 lbs. Arm / 85
 Fuel capacity 76 gals Arm / 34
 Oil capacity 6 1/2 gals. Arm -34
 Max. gross weight 4150 lbs.

C. G. Limits 16.3 and 26.7
 Max. Except take-off HP 275
 Front wheels are located on an arm of / 4

WEIGHT AND BALANCE REPORT

Left Front Wheel	Not Weight (lbs)
Right Front Wheel	1359
Tail Wheel	1359
	<u>229</u>
	2947

Distance between front wheel center line and tailwheel axle 207 3/4"
 Empty C G Location from front wheel center line 16.14
 Empty C G Location from datum 16.14 / 4.00 = 20.14



CALCULATION OF C G FORWARD EXTREME

	Wt. (lbs)	Arm (in.)	Moment (in.lbs.)
Aircraft EW	2947.00	20.14	59352.58
Pilot and Passenger	340.00	13.50	4590.00
Fuel (min) 22 11/12 gals	137.50	34.00	4675.00
Oil 6.5 gals	48.75	-34.00	-1657.50
	<u>3473.25</u>		<u>66960.08</u>
C.G Forward Extreme 19.278 or 19.28			

CALCULATION OF C G AFT EXTREME

Aircraft EW	2947.00	20.14	59352.58
Pilot	170.00	13.50	2295.00
Passengers (3) rear	510.00	53.50	27285.00
Fuel 54 gals.	324.25	34.00	11024.50
Oil 6.5 gals	48.75	-34.00	-1657.50
Baggage	100.00	85.00	8500.00
Baggage	50.00	54.00	2700.00
	<u>4150.00</u>		<u>109499.58</u>
C G Aft Extreme 26.385 or 26.39			

Both C G Extremes are within the limits. If you have trouble with this problem do not hesitate to ask me to clarify it for you.