



C.G. Empty "As Weighed" is fwd. Main Wheel C. L.
 $67.5 \times (N) \text{ _____} / (G) \text{ _____} = (A) \text{ _____} \text{ In.}$
 C.G. Empty "As Weighed" is aft the Wing Leading
 Edge $31.5 - (A) \text{ _____} = (B) \text{ _____} \text{ In.}$
 C.G. Empty "As Weighed" is aft the Datum
 $60.0 + (B) \text{ _____} = \text{ _____} \text{ In.}$

MOST FORWARD C.G. NORMAL CATEGORY

ITEM	WT.	ARM	MOMENT
Empty Weight "As Weighed"			
Oil (8 Qts.)	15	31	465
Fuel (11.25 Gal.) Wing	67.5	84	5670
Pilot (Front Seat)	170	81	13770
TOTAL			

Most Forward C.G. _____" aft of Wing L.E. *

(N) = Weight on Nose Wheel (G) = Gross Weight

MOST FORWARD C.G. (ALTERNATE) NORMAL CATEGORY

ITEM	WT.	ARM	MOMENT
Empty Weight "As Weighed"			
Oil (8 Qts.)	15	31	456
Fuel (18 Gal.) Wing	108	84	9072
Pilot (Front Seat)	170	81	13770
Passenger (Front Seat)	170	81	13770
TOTAL			

Most Forward C.G. _____" aft of W. L. E.

MOST REARWARD C.G. NORMAL CATEGORY

ITEM	WT.	ARM	MOMENT
Empty Weight "As Weighed"			
Oil (8 Qts.)	15	31	465
Fuel (36 Gal.) Wing	216	84	18144
Pilot (Front Seat)	170	81	13770
Passengers (2 rear seat)	340	109	37060
Baggage	50	127	6350
TOTAL			

Most Rearward C.G. Normal Category _____" aft W. L. E. *

* For approved limits see "Approved C.G. Range V_S Weight" Diagram on last page.

EQUIPMENT INSTALLED

ACTUAL WEIGHT AND BALANCE

MODEL PA-22 "135"

LYCOMING O-290-D2 135 HP ENGINE

ITEM	WEIGHT	ARM ABOUT WING L. E.
<input type="checkbox"/> Propeller: Wood Fixed Pitch	11	(-50)
<input type="checkbox"/> Propeller: Fixed Pitch Metal	25	(-50)
<input type="checkbox"/> 6.00-6 Wheels with Brakes & 4-Ply Rating Tires and Tubes	30.5	(+31.5)
<input type="checkbox"/> 6.00 x 6 Nose Wheel with 4-Ply Rating Tire and Tube	13	(-36)
<input type="checkbox"/> Battery & Box 12 V	31	(+21)
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SERIAL NO. 22- _____ N _____

DATE _____

APPROVED BY _____
Weight and Balance Engineer

Empty Weight "As Weighed" (Including items checked on this page)

	Scale Reading	Tare	Net
Left Wheel	_____	_____	_____
Right Wheel	_____	_____	_____
Nose Scale	_____	_____	_____
Total			_____

APPROVED C. G. RANGE VS WEIGHT

