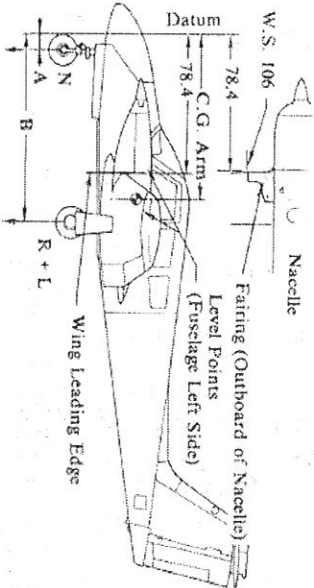


LOCATING CG WITH AIRPLANE ON LANDING GEAR



A = 8.8
B = 110.3

The datum is 78.4 inches ahead of the wing leading edge at Wing Station 106.

Figure 6-3

POSITION	SCALE READING	SCALE DRIFT	Symbol	NET WEIGHT (Lbs)
LEFT SIDE	997.8	0	L	997.8 Lbs
RIGHT SIDE	986.8	0	R	986.8 Lbs
NOSE	647.6	0	N	647.6 Lbs
AIRPLANE TOTAL AS WEIGHED			T	2,632.20 Lbs

FORMULA for Longitudinal CG:

$$(X) = \frac{(N) \cdot (A) + (L+R) \cdot (B)}{\text{NOSE AND MAIN LANDING GEAR WEIGHT TOTALLED (T)}} = () \text{ Inches AFT OF DATUM}$$

$$X = \frac{5698.9 + 218901}{2632.2} = 85.33 \text{ inch}$$

BASIC EMPTY WEIGHT AND CENTER-OF-GRAVITY TABLE

ITEM	WEIGHT Pounds	CG ARM (Inch)	MOMENT (Inch/Lbs)
AIRPLANE (CALCULATED OR AS WEIGHED INCLUDES ALL UNDRAINABLE FLUIDS AND FULL OIL)	2,632.20	85.33	224,600.26
Optional Equipment			
BASIC EMPTY WEIGHT	2,632.20	85.33	224,600.26

Date of weighing: 12.07.2017

D-GOMS

Liberty Air
Steven Warris
12/17/17

AIRplus Maintenance

DE.145.0307

REPORT: VB-860

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