

AIRCRAFT ACTUAL WEIGHT AND HORIZONTAL BALANCE  
FOR S-61N MODEL HELICOPTER

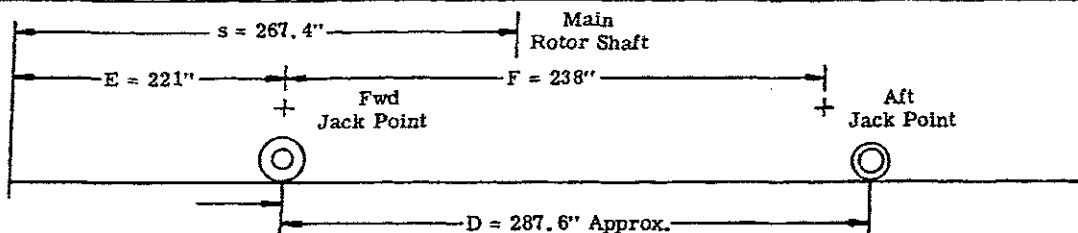
Prepared By David Wolf

Date 12-26-07

Reg. No. N612AZ

Serial No. 61297

SCALE POSITION	SCALE NO.	SCALE READING (LB)	TARE	SCALE ERROR	SYMBOL	NET WEIGHT
LEFT MAIN POINT		4943			W <sub>L</sub>	4943
RIGHT MAIN POINT		5302			W <sub>R</sub>	5302
POINT TAIL		2152			W <sub>T</sub>	2152
TOTAL WEIGHT		12397			W	12397



CENTER OF GRAVITY TO FORWARD DATUM (HORIZ. DIST. - AS WEIGHED)

~~XXXXXXXXXXXX~~

$$E + \frac{W_T \times D}{W}$$

Weighing on Jack Points

$$E + \frac{W_T \times F}{W} = 221 + \frac{2152 \times 238}{12397} = 262.3$$

CORRECTED WEIGHT AND HORIZONTAL BALANCE

ITEMS ADDED & SUBTRACTED	WEIGHT (LB)	HORIZONTAL DIST (in) C. G. TO FWD DATUM	MOMENT (lb in.)
Aircraft as Weighed	12397	262.3	3251733.1
Plus -			
Minus - 28 MGB run in kit	28	267.4	7487.2
TOTAL <del>GROSS</del> <sup>EMPTY</sup> WEIGHT	12369	262.3	3244245.9
BALANCE 262.3 Horizontal Dist. - s = 5.0 in. Fwd of Main Rotor Centroid (Corrected) <del>AKK</del>			

S 5654 (R2)

Witnessed By

Rodney Manogue

Figure 4-10

September 9, 1963

Reissued December 17, 1971