

BALLAST Hoist Fft. Test. 12/20/07 1889.24 #

25.16	25.22	25.12
25.20	25.20	25.42
25.18	25.24	25.28
25.16	25.32	25.22
25.20	25.08	25.14
25.28	25.46	25.40
25.08	25.32	25.20
25.22	25.20	25.30
25.16	25.18	25.18
25.28	24.86	25.24
25.20	25.16	25.12
25.28	25.40	25.00
25.12	24.96	24.66
25.18	25.18	25.24
25.10	25.22	24.40
25.16	25.32	25.22
25.18	25.20	24.84
25.16	25.14	25.46
25.12	24.94	25.34
25.50	25.24	25.50
25.26	25.18	25.20
25.22	25.22	
25.20	25.20	
25.26	25.20	
25.18	25.18	
25.16	25.36	
25.16	25.22	

BALLAST Reweighed & Marked
Accordingly.

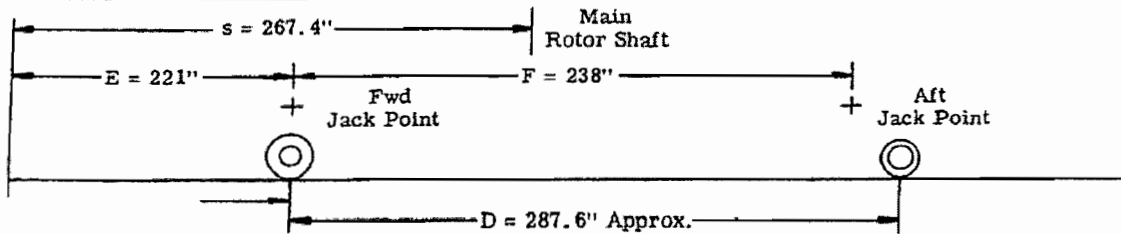
ATP
[Redacted Signature]
12/19/07
Red MANOGUE

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 _L	4943
RIGHT MAIN POINT		5302			W _R	5302
POINT TAIL		2152			W _T	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

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

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 CROSS ^{EMPTY} WEIGHT	12369	262.3	3244245.9
BALANCE 262.3 Horizontal Dist. - s = 5.0 in. XXX Fwd of Main Rotor Centroid			
(Corrected)			

S 5654 (R2)

Witnessed By [Signature]
Rodney Manogue

Figure 4-10

September 9, 1963

Reissued December 17, 1971