WISH BONE Lite

DIJON VINAIGRETTE
La ZOOM-ZOOM

PARTS LIST - 1# PLASTIC SALAD DRESSING BOTTLE
1- 6" - BT-50 TUBE - (SILVER TUBE)
1- BA-50 NOSE BLOCK
2- AR 50-50 RINGS
1- 3 1/2" BT-20 ENGINE TUBE
1- LAUNCH HOOK
22 SQ IN - 1/16" CLEAR LEXAN PLASTIC
30"- KEV-100 SHOCK CORD -
(-18 PAR COMET -

FULL SIZE · PATTERN 1"=1" Complete 11/14/90
11/5/90
DIA - 1.375 X 3.5625" OVAL · LENGTH (w/FINS) 9"
EMPTY WT. 76.07g L.O. WT. =

RECOMMENDED MOTOR C6-3 only

1- LEXAN LUG - SIMILAR STYLE

NOSE
$\bar{X}_n = \frac{2}{3}L = 2.3437$ $(C_{Na})_N = 2$

BOATTAIL
$\bar{X}_{cb} = X_{cb} + \Delta X_{cb} = X_{cb} + \frac{1}{3}\left[\frac{1 - \frac{d_1}{d_2}}{1 - \left(\frac{d_1}{d_2}\right)^2}\right]$

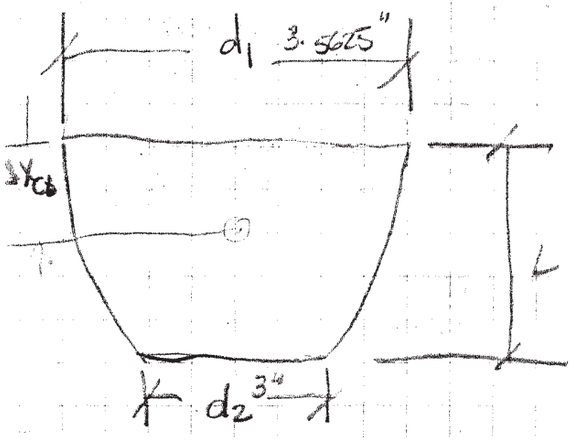
$C_{Na} = (C_{Na})_n + (C_{Na})_{cb}$
$2 + .5818 = 2.5818$

$\bar{X} = \frac{(C_{Na})_n \bar{X}_n + (C_{Na})_{cb} \bar{X}_{cb}}{2(2.5818) + .5818(6.7031)}$

C.G. w/ C6-3

WISH BONE PLASTIC
SALAD DRESSING BOTTLE

Model 87: B6-4, C6-3
Dijon Vinaigrette -
La ZoomZoom
"Flying Food Theme"
11-14-90



d = DIA @ BASE OF NOSE = 3.5625"

COMBINED Calculations

$C_{Na} = (C_{Na})_b + (C_{Na})_{cb} + (C_{Na})_{fb}$

$2.2697 + .2810 + 13.5 = 17.3513$

$\bar{X} = \dfrac{(C_{Na})_b \bar{X}_b + (C_{Na})_{cb} \bar{X}_{cb} + (C_{Na})_{fb} \bar{X}_{fb}}{}$

$2(2.3437) \quad .2810(6.4571) \quad 13.5(8.05)$

$4.6874 + 3.7567 + 109$

17.3513

$\dfrac{117.4441}{17.3513} = 6.7686$

$(C_{Na})_{cb} = 2\left[\left(\dfrac{d_2}{d}\right)^2 - \left(\dfrac{d_1}{d}\right)^2\right] \quad 2\left[\left(\dfrac{3.4}{3.5625}\right)^2 - \left(\dfrac{3}{3.5625}\right)^2\right]$

$2[1 - .7091]$

$2[.2909]$

$(C_{Na})_{cb} = .5818$

$\bar{X}_{cb} = X_{cb} + \Delta X_{cb} = X_{cb} + \dfrac{L}{3}\left[1 + \dfrac{1 - \frac{d_1}{d_2}}{1 - \left(\frac{d_1}{d_2}\right)^2}\right]$

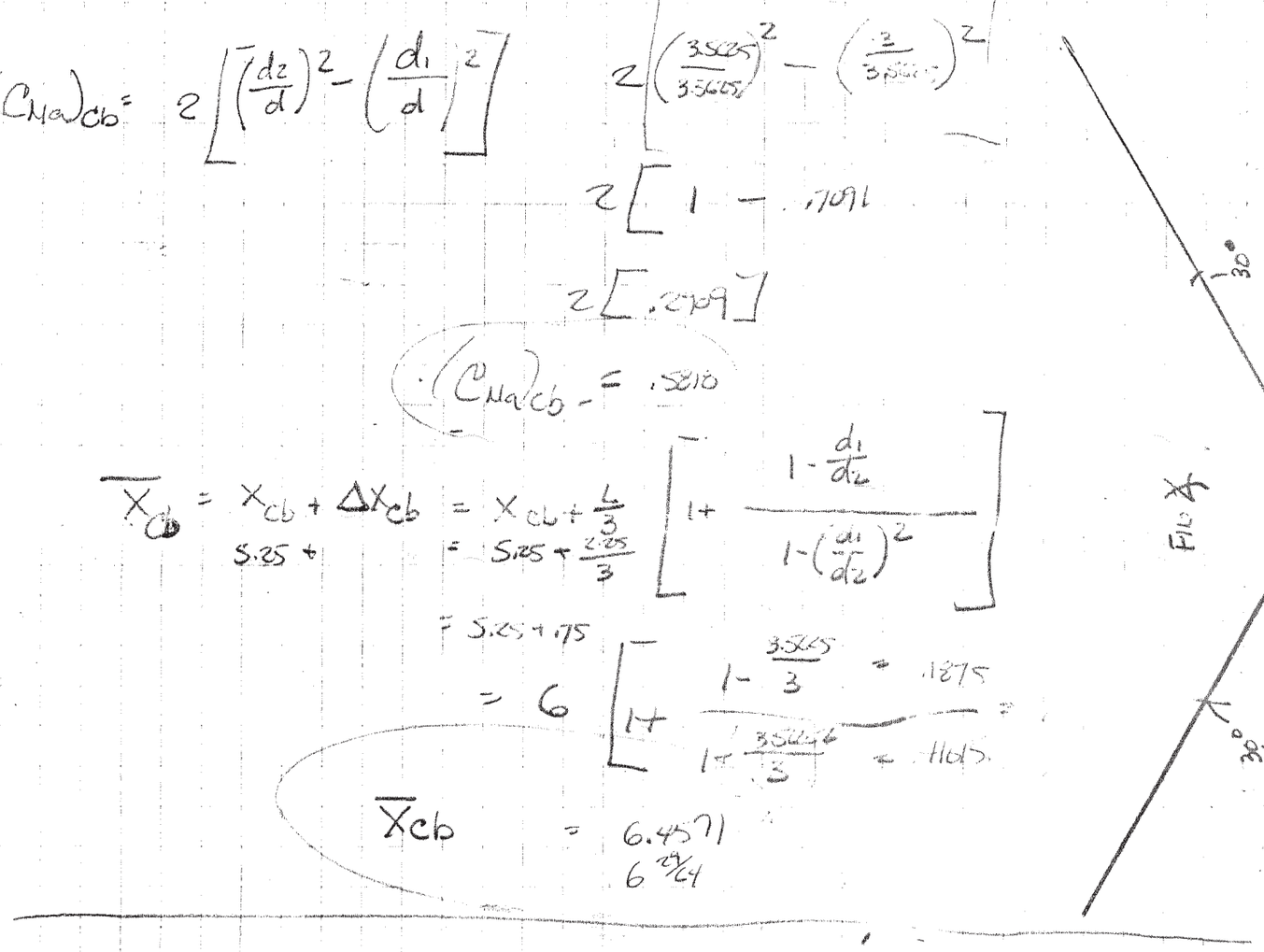
$5.25 + \quad = 5.25 + \dfrac{2.25}{3}$

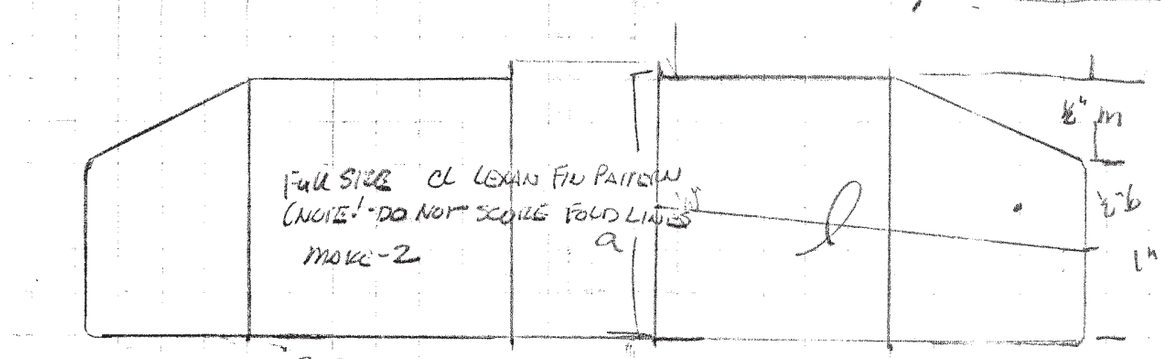
$= 5.25 + .75$

$= 6\left[1 + \dfrac{1 - \frac{3.5625}{3.4}}{1 + \frac{3.5625}{3.4}} = .1875 \right.$ Hold.

$\bar{X}_{cb} = 6.4571$

$6\frac{29}{64}$





$\dfrac{s}{d} = \dfrac{2.25}{1.375} = 1.6363$

$2\frac{1}{4}$" S

$\dfrac{l}{a+b} \quad 1.5 + 1 = 2.5 \quad = .90$

$(C_{Na})_b = 13.5$

$\dfrac{K}{s} \quad \dfrac{1.375}{2.25} = .6111 \quad K_{fb} = 1.38$

$\dfrac{m}{a} \quad \dfrac{s}{1.5} = .3333 \quad \dfrac{b}{a} \quad \dfrac{1}{1.5} = .6667 \quad \dfrac{\Delta X_F}{a} = .37$

$\bar{X}_F = X_p + \left(\dfrac{\Delta X_F}{a}\right) a \quad \dfrac{.37}{1.5} =$

$7.5 + .37 \times 1.5 = 7.5 + .55 = 8.05$

$\bar{X}_F$