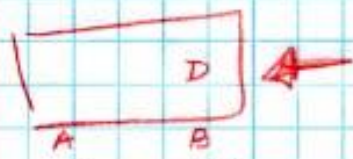


3-0 Shutter Tank

5-12-03
Perry, McDougal

✓
5/19/03

Y $\frac{u/s}{13.250}$ D $\frac{o/s}{14.000}$



HBL3520
-42.898
11.887
40.750
9.739 HI

A	B	D	$\frac{u/s}{9.739}$	$\frac{o/s}{9.739}$
9.739	9.739	9.739	9.739	9.739
.028	-.944	8.499	6.625	7
<u>9.711</u>	<u>10.683</u>	<u>1.240</u>	<u>3.114</u>	<u>2.739</u>

s/R	A	B	D
1	8.711	9.683	1.240
	8.650	9.582	1.200
	8.715	9.695	1.260
	<u>+14 8.697</u>	9.681	1.244
	<u>+0.14</u>	9.665	1.228
	<u>-19 9.702</u>		<u>1.253</u>
			<u>-12</u>

X
Old X offset -.969
New X offset due to
\$ of SPEAR3 -.877
X Tooling Ball data on tank NFG

X

A	B	$\frac{FI}{u/s}$	$\frac{FI}{o/s}$	D	s/R
39.370	39.370	39.370	39.370	39.370	
7.524	12.533	6.625	7	- .989	
31.846	26.837	32.745	32.370	40.359	
1	1	-.877	-.877	1	
30.846	25.837	33.622	33.247	39.359	
30.727	25.588			39.110	X -.003
30.827	25.787	33.700	33.398		Y -.006
30.850	25.840	33.690	33.226		Z -
<u>-4 30.850</u>	<u>25.835 +2</u>	<u>33.625</u>	<u>33.252</u>		Roll +.006
		<u>33.623 +1</u>			Pitch +.030
					Yaw -.004

used Tooling Ball data on tank for Y, used $\frac{u/s}$ & $\frac{o/s}$ Flanges for X, new X offset -.877