

# **Corrosion Effects of Fluids on Common Metals**

## *(Weight Loss in Milligrams)*

<b>METAL</b>	<b>Plain Water</b>	<b>**Uninhibited Propylene Glycol</b>	<b>*Inhibited NOBURST -100</b>	<b>NOBURST AL</b>	<b>ASTM D1384 Acceptable Max</b>
Copper	2	4	2	2	10
Solder	99	1095	1	1	30
Brass	5	5	4	1	10
Steel	212	214	1	0	10
Cast Iron	450	1345	3	0	10
Aluminum	110	15	***2	0	30
Cast Aluminum @ Heat	n/a	n/a	2.5	0.175	1

\*50% Solution in Deionized Water  
 \*\*30% Solution in Deionized Water  
 \*\*\*Not at Boiler Temps