

## Metal Compatibility of P-80® Temporary Assembly Lubricants At Room Temperature

*Customers are encouraged to conduct their own tests before using P-80 lubricants.*

METAL	PROPERTY	1 Day, %Δ					14 Days, %Δ				
		P-80 EMULSION	P-80 THIX	P-80 GRIP-IT	P-80 REDI-LUBE	Tap Water	P-80 EMULSION	P-80 THIX	P-80 GRIP-IT	P-80 REDI-LUBE	Tap Water
ALUMINUM 1100	%Δ Mass	0.00	0.00	<u>-0.15</u>	- 0.01	0.00	0.00	0.00	<u>-0.44</u>	- 0.02	- 0.05
	Δ Appearance	No change	No change	<u>Darker overall</u>	No change	Several pinpoints	No change	No change	<u>Black</u>	No change	Pinpoints
*BRASS ALLOY 260	%Δ Mass	- 0.01	- 0.35	- 0.04	- 0.01	0.00	- 0.02	- 0.36	<u>-0.47</u>	- 0.02	0.00
	Δ Appearance	No change	Dull finish	Faded Appearance	No change	Dark spots	Faded appearance	Darker outlines	<u>Faded appearance</u>	Dark spots	Dark spots
*BRONZE ALLOY 220	%Δ Mass	- 0.01	- 0.01	- 0.04	- 0.01	0.00	- 0.02	- 0.02	<u>-0.50</u>	- 0.03	0.00
	Δ Appearance	No change	No change	Faded appearance	No change	Dark spots	Faded appearance	Dark spots	<u>Faded appearance</u>	Dark spots	Dark spots
1008 COLD ROLLED STEEL	%Δ Mass	0.00	0.00	- 0.01	0.00	- 0.04	0.00	0.00	- 0.06	- 0.01	<u>-0.47</u>
	Δ Appearance	No change	No change	No change	No change	No change	No change	No change	Pinpoints	No change	<u>Rust spots</u>
*COPPER ALLOY CA 110	%Δ Mass	- 0.01	- 0.01	- 0.05	- 0.01	0.00	- 0.02	- 0.02	<u>-0.51</u>	- 0.01	0.00
	Δ Appearance	No change	No change	Faded appearance	No change	Darker outlines	Faded appearance	Dark spots	<u>Faded appearance</u>	Dark spots	Darker outlines
MONEL 400	%Δ Mass	0.00	0.00	0.00	0.00	0.00	- 0.01	- 0.01	0.00	- 0.01	0.00
	Δ Appearance	No change	No change	No change	No change	No change	No change	No change	No change	No change	No change
304 STAINLESS STEEL	%Δ Mass	0.00	0.00	0.00	0.00	0.00	- 0.01	0.00	0.00	0.00	0.00
	Δ Appearance	No change	No change	No change	No change	No change	No change	No change	No change	No change	No change
TITANIUM ALLOY, 8% Mn	%Δ Mass	0.00	0.00	0.00	0.00	0.00	0.00	- 0.01	0.00	0.00	0.00
	Δ Appearance	No change	No change	No change	No change	No change	No change	No change	No change	No change	No change

Underlined and Red = Not Recommended

\*P-80 RESIDUE WILL DISCOLOR COPPER AND COPPER ALLOYS.