

## HASTELLOY® C-22® Alloy

### Phosphoric Acid

Conc. Wt.%	125°F	150°F	175°F	200°F	225°F	250°F	275°F	300°F	Boiling
	52°C	66°C	79°C	93°C	107°C	121°C	135°C	149°C	
50	-	-	-	-	-	-	-	-	0.07
60	-	-	-	-	0.08	-	-	-	0.16
65	-	-	-	-	-	-	-	-	-
70	-	-	-	-	0.07	0.13	-	-	0.23
75	-	-	-	-	0.05	0.12	-	-	0.19
80	-	-	-	-	0.06	0.12	0.16	-	0.25
85	-	-	-	-	0.07	0.12	0.2	-	0.66

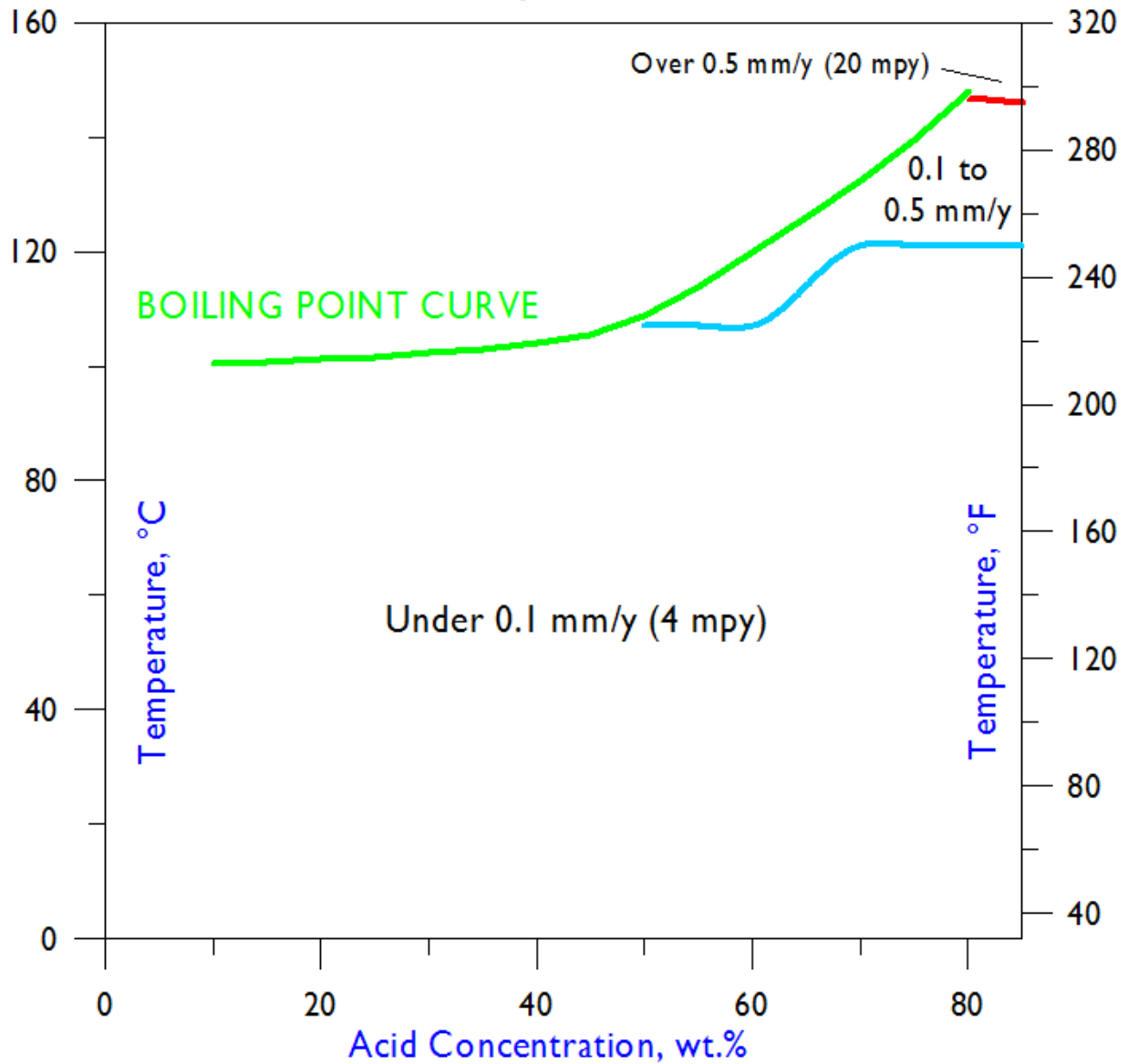
All corrosion rates are in millimeters per year (mm/y); to convert to mils (thousandths of an inch) per year, divide by 0.0254.

Data are from Corrosion Laboratory Jobs 444-82 and 46-04.

All tests were performed in reagent grade acids under laboratory conditions; field tests are encouraged prior to industrial use.

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## Iso-Corrosion Diagram for C-22 Alloy in Phosphoric Acid



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