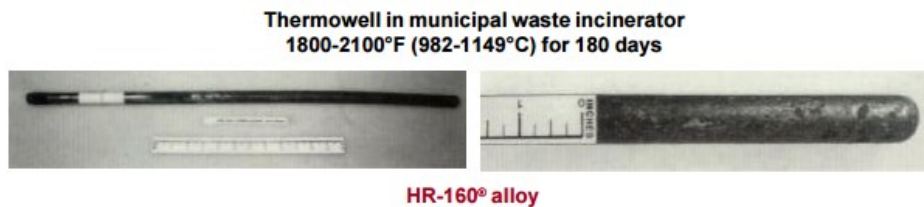


HAYNES[®] HR-160[®] alloy

Waste Incineration Environments

Incineration of municipal, industrial and hazardous wastes generates very corrosive environments which typically contain such corrosive constituents as SO₂, HCl and sometimes HF, along with vapors/deposits of chlorides and sulfates. The following examples demonstrate the relative improvements resulting from upgrading to HR-160[®] alloy.



HAYNES® HR-160® thermowell in a municipal waste incinerator for
170 days at 1850-1950°F (1010-1066°C)

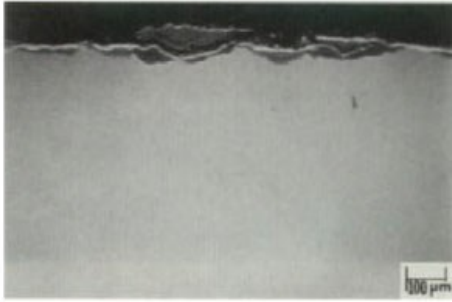
Unexposed end

Exposed end



Field testing in a chemical waste incinerator showed little scaling or metal wastage for HR-160 alloy when exposed to the flue gas stream which contained SO₂, HCl and HF for 5800 hours at 900°F (482°C)

HR-160® alloy



alloy 600

