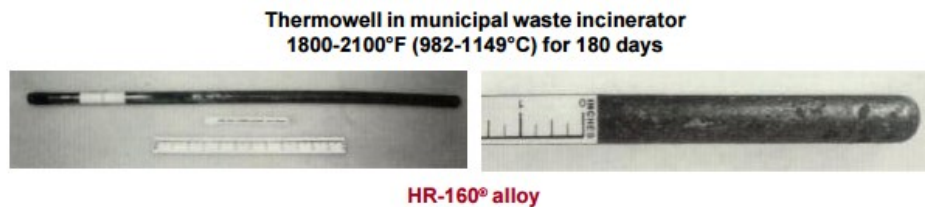
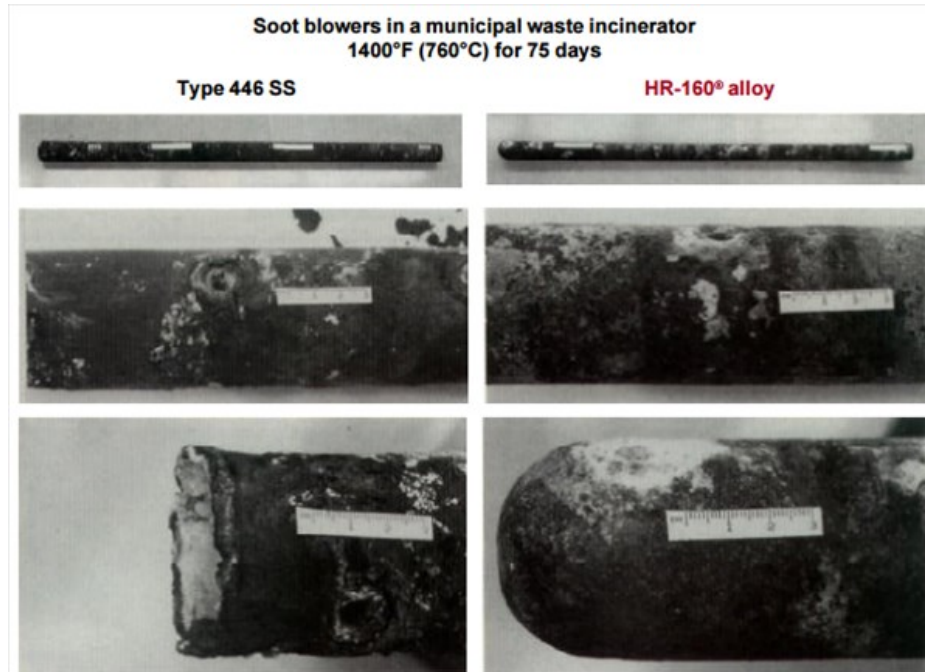


# HAYNES<sup>®</sup> HR-160<sup>®</sup> alloy

## Waste Incineration Environments

Incineration of municipal, industrial and hazardous wastes generates very corrosive environments which typically contain such corrosive constituents as SO<sub>2</sub>, 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<sup>®</sup> alloy.



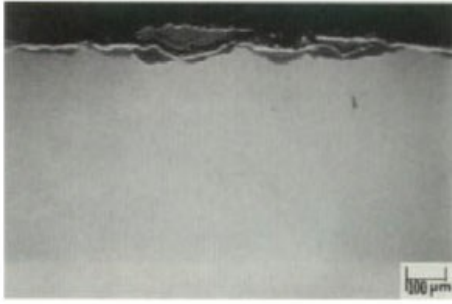
HAYNES® HR-160® thermowell in a municipal waste incinerator for 170 days at 1850-1950°F (1010-1066°C)

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 SO<sub>2</sub>, HCl and HF for 5800 hours at 900°F (482°C)

HR-160® alloy



alloy 600

