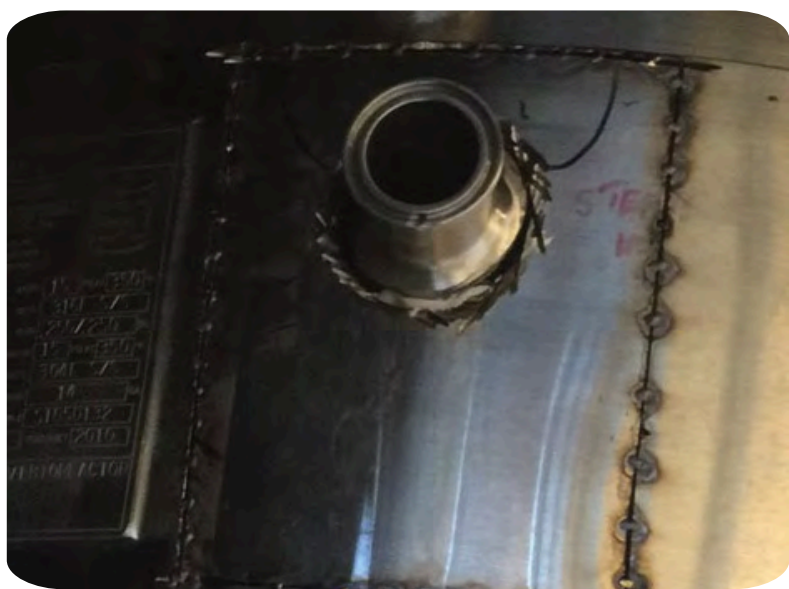


CASE STUDY

HEAT TRANSFER SURFACE LEAK



THE CHALLENGE

Bioreactor Heat Surface Leak.

THE SCOPE

- Located the cracked weld, found on the HTS outlet in the weldment between the HTS pipe and the header
- Inspected the HTS for stress corrosion cracking
- Removed only the sheathing necessary to expose the area of remediation
- Back groove to remove the damaged weld
- Added ASME full penetration weldment
- Hydrotested to satisfy ASME requirements
- Installed flexible boot to absorb movement from thermal shock and to alleviate stress on the connection
- Provided all re-certification and R-stamp documentation

THE RESULT

- Identified and repaired a leak caused by thermal shock
- Completed containment of HTS medium
- Reduced stress on the connection from thermal shock
- Vessel exterior, no visual indication of work done
- Vessel back in service within 72 hours



Maximizing Customer Productivity, Controlling Costs, and Reducing Risk

ABEC's service team is highly trained and experienced, working for customers to maximize productivity, control operating costs and mitigate risk. In every way, we strive to eliminate unscheduled shutdowns, while bearing in mind all factors associated with maintaining and improving bioprocess production operations and equipment. Our expertise and capability to address your specific requirements, in line with your schedule, make us the first choice for bioprocess services, no matter the location, the scale of the task, or the original manufacturer.

