Hydropulper

Challenge

Issue
Weld overlay caused heat stress cracking and leaks resulting in 6 month maintenance cycle.

Goals
- Restore and protect a carbon steel hydropulper from abrasion and impact
- Reduce downtime and capital equipment replacement costs

Root Cause
Recycled paper bales impact floor of hydropulper and entrained solids abrade internals.

Solution

Preparation
- Grit blast to Sa 2.5 with 3 mil (75 μm) angular profile
- Wire mesh welded over existing holes

Application
1. Apply ARC BX1* over wire mesh
2. Apply ARC BX1* minimum ¼ inch (6 mm)

*ARC BX1 is the “Bulk” package size of ARC 890

Results

Client Reported
- >36 month service life
- Client indicated savings in downtime, increased efficiencies and increased reliability

Severe wear of hydropulper

Application of ARC BX1

Protected hydropulper