

“A Plugged Pump” Process Pump



THE CHALLENGE

This large pump was very difficult to handle. Due to the design of the pump, there were numerous areas that conventional high pressure water cleaning could not reach or effectively clean. Under conventional methods, cleaning this asset can create up to 80,000 litres of contaminated water that needs to be disposed of, as well as a minimum of 160 litres of degreasers that also require disposal.

The average time taken to clean one of these pumps is typically between 8 to 12 hours.

BEFORE: HEAT EXCHANGER SPECIFICATIONS

Type Asset: Process Pump

Weight: 5,000 lbs

Inlet / Outlet Size: 12"

Fouling / Process: Bitumen

THE SOLUTION

This large pump case was submerged into the ABSOLUTE cleaning chamber and after 1 hour all of the hydrocarbon fouling and residues were removed.

The pump was cleaned in a fraction of the previous times, with no generated waste, no mess and no consumable chemicals or water.

AFTER: BENEFITS & RESULTS

Time Cleaned: 20 minutes

Est. Time Saved: 8 man hours

✓ No water was consumed and no expensive chemicals were disposed of.