

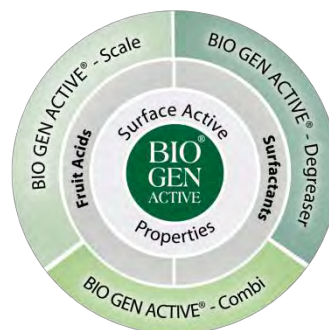


Cleaning of HEX

Bio Gen Active® Scale 130

DESCRIPTION OF APPLICATION

Sector Industrial, Oil & Gas Industry, Refinery, USA
Application HEX (Tube Heat Exchanger)
Product Bio Gen Active® Scale 130
Deposit Lime scale, water scaling and rust



BACKGROUND

A heat exchanger with lime scale, general water scaling and rust needed to be reconditioned. It was decided that an environmentally optimised and safe cleaning product and Cleaning In Place (CIP) technique was to be used.

PROCEDURE

Using Bio Gen Active® Scale 130, a non-hazardous industrial descaling product combining high efficiency with very user-friendly properties and a strong health/environmental profile. The HEX was cleaned on-site using CIP-cleaning method (Cleaning-In-Place). Close to standard conditions was used with 6 hours circulation, 40 PSI, about 180°F, reversing of flow followed by proper fresh water rinsing.

RESULTS

Lime (carbonate) scale, rust and other deposit was efficiently removed and a clean metallic surface was obtained. The customer was very satisfied with the cleaning result performed in an operator safe way, reducing cost and total downtime, all achieved at an optimized environmental footprint.



North Side of HEX Before & After Cleaning



South Side of HEX Before & After Cleaning

