CASE STUDY

From Power Washing Failures to Success with Aquaguard 915: De-scaling Fouled Coolers to Restore Efficient Operation

CHALLENGES

Previous power washing attempts failed to clean the coolers effectively, leading to high maintenance costs and reduced operational efficiency due to scaling.

- **Power Washing Didn't Work:** Previous attempts to clean the coolers with power washing were unsuccessful.
- **High Maintenance Costs:** Unsuccessful cleaning resulted in increased maintenance costs without solving the issue.
- **Operational Inefficiency:** Scaling significantly hindered the coolers' operational efficiency.

SOLUTIONS

To address these challenges, at Guardian's recommendation, the client adopted a more effective solution by de-scaling the coolers with Aquaguard 915.

- **De-scaling Process:** A 10% solution of A-915 was prepared in a dip-tank equipped with heat and agitation.
- **Optimized Cleaning:** Chemical de-scaling fully removed scale deposits from the coolers and proved to be a more effective and cost-efficient cleaning method compared to mechanical pressure washing.

RESULTS

Restored Cooler Efficiency:

The de-scaling process successfully removed scale deposits, restoring the coolers to optimal operational efficiency—reducing future maintenance intervals and costs

Cost-Effective Cleaning

The client significantly reduced overall cleaning costs and quickly cleaned the coolers, satisifing their customer.

AT A GLANCE

A hydraulics equipment supplier was working with a customer to remove scale from several coolers. Power washing proved ineffective so they reached out to Guardian Chemicals. At our recommendation, the client used Aquaguard 915 to de-scale these units, resulting in a more effective and efficient process.

KEY METRICS

REDUCED
LABOUR COSTS TO CLEAN COOLERS

LESS TIME
TO CLEAN COOLERS

INCREASED
COOLER EFFICIENCY AFTER SCALE REMOVAL

CASE STUDY

GUARDIAN CHEMICALS INC.

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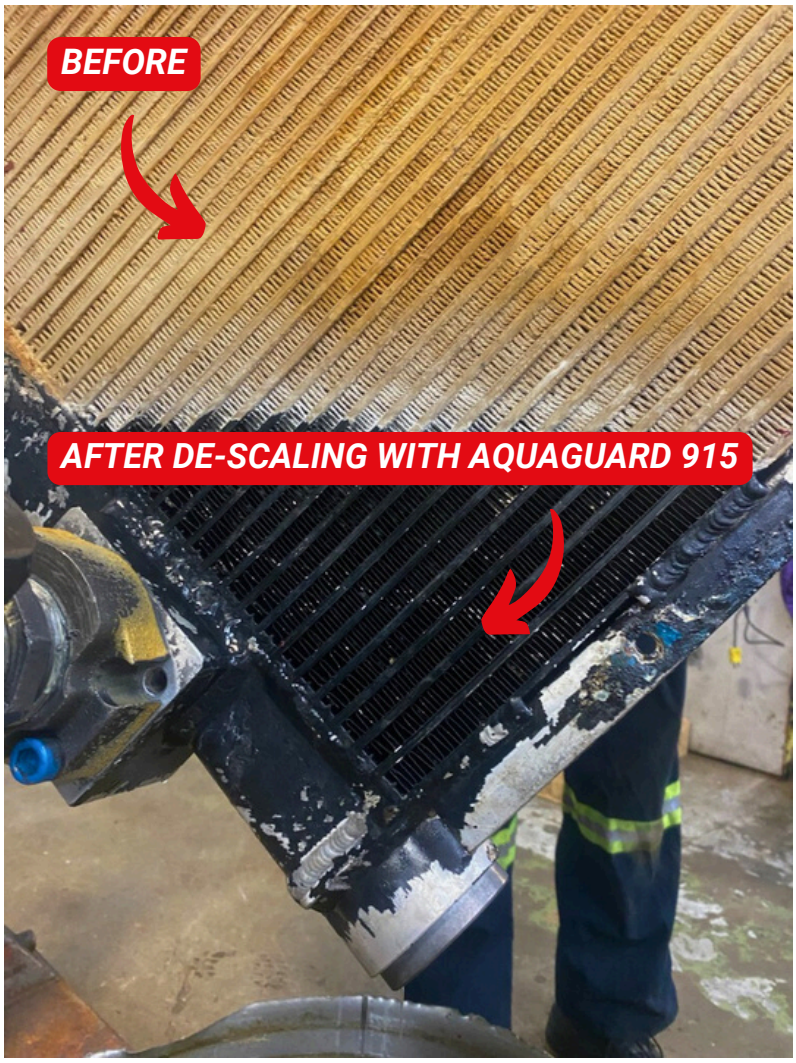
DATA



Before and After: Transforming cooler cleaning by de-scaling with Aquaguard 915 at a hydraulics facility in Prince Albert, Saskatchewan.

The Old Way: Power washing fails to remove deeper scale and some surface deposits.

> *We have been dealing with a descaling issue for our customer and the help [Guardian] provided us has been worth its weight in gold! We will be talking with...Guardian again. Guaranteed.*
>
> *Hydraulics Specialist*