



World Class Cleaning Solutions

CASE STUDY

Quench Oil Removal: TCE Replacement

Customer Details:

Product: Heat Treating of Steel

Parts Cleaned: All types of steel parts from a wide variety of customer types

Removing What Soil(s): Quench oil and lubricants

Why are parts degreased: To remove quench oil after heat treating

Customer's Process BHC Replaced:

Current Chemistry: Vapor Degreasing w/Trichloroethylene (TCE)

Concentration: Unknown

Washer Type: Old Degreaser

Specific Metals: Steel

Temperature: Unknown

Time/Line Speed: Unknown

Customer Improvement Requested: Switch to an aqueous process



BHC Implemented Process:

Equipment: RAMCO

Chemistry: AquaVantage® Non-Silicated

Concentration: 6%

Temperature: 150°F (66°C)

Time/Line Speed: 20 Minute Wash Cycle

Dry: Parts blow off

Results: The quench oil is being removed completely from intricate part surfaces.

Reason BHC Won: A non-silicated product that requires no rinsing of parts. Greatly improved part cleanliness and tank life.