

Mid-Western US Ethanol Plant Cooling Tower Pump Cavitation Eliminated Using CeramAlloy & DuraTough

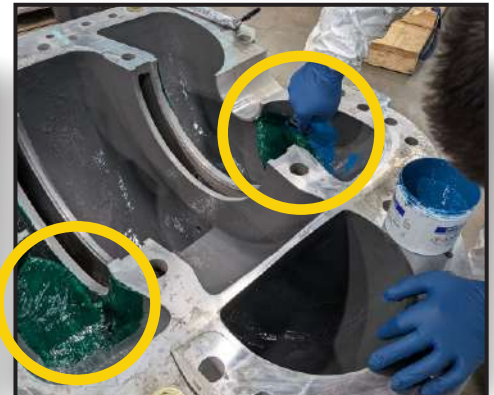
This cooling tower pump from an ethanol plant was suffering from severe corrosion and cavitation damage at the intake, ultimately rendering the pump beyond repair. The local ENECON Engineering Specialist recommended a solution that many would not have considered.

The pump's internal surfaces were properly prepared by abrasive blasting to a white metal finish with a 5–7 mil profile, then protected with two coats of CeramAlloy CL+AC, providing a durable,

corrosion-resistant barrier.

The areas most heavily impacted by cavitation were further reinforced with two coats of *DuraTough DL*, delivering exceptional resistance to aggressive erosion accelerated by cavitation. These areas were not overcoated with CeramAlloy CL+AC.

The results were so successful that a second pump was treated using the same ENECON system, ensuring long-term protection and reliability throughout the ethanol plant.



DuraTough DL applied to stop cavitation.



DuraTough DL not overcoated by CeramAlloy CL+AC.



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