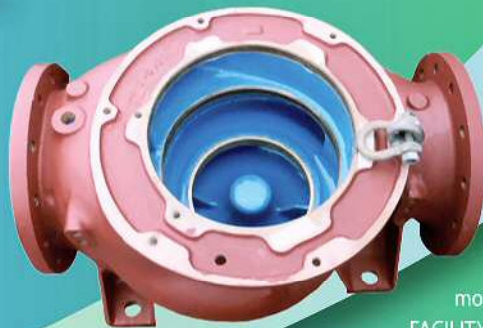
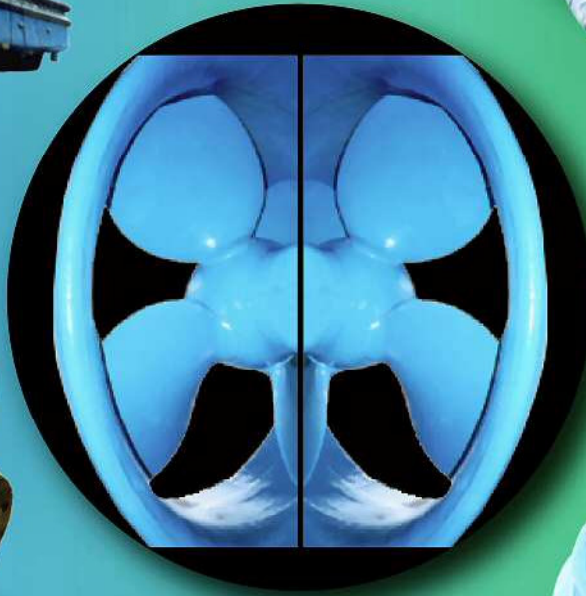


Guaranteed protection...DURAFLAKE DOES IT ALL



COATINGS



Ciserv CGL Industries Ltd., is an ISO 9002 certified and Lloyd's Register approved reconditioning workshop performing repairs to marine and industrial components since 1920. Ciserv CGL offers machining, babbitting, welding, overhauling, chroming, sandblasting, stress relieving, grinding, pump and component reconditioning and Duraflake. Our friendly and highly skilled staff focus on impeccable quality, quick turnaround times (24/7 if required) and offer complete logistics services for fast, efficient, cost effective movement of goods.

FACILITY

Ciserv CGL Industries is adjacent to Vancouver, Canada and operates from a modern 60,000ft² facility. We provide a fully equipped machine shop with state of the art CNC machines, engineering, solid modeling and CAD services to ensure the highest standards of accuracy and consistency to control the quality during the reconditioning process.



A Wärtsilä Company

CISERV CGL INDUSTRIES LTD.

Marine & Industrial Component Reconditioners

Wartsila North America Inc • Mitsubishi Heavy Industries

ISO 9002 Certified • Lloyd's Register Approved • Established 1920

COATINGS



Technical Product Data

Tensile strength	15,960psi
Tensile modulus	6.95(10 ⁵)psi
Elongation	10-12%
Flexural strength	20,360psi
Flexural modulus	6.47(10 ⁵)psi
Heat distortion temperature	210F
Barcol hardness (coating only)	44
Dielectric constant	4.15
Dissipation factor	0.009
Adhesive strength (carbon steel)	1459psi
Adhesive strength (304 stainless steel)	1561psi
Adhesive strength (aluminum)	989psi
Adhesive strength (cement)	Substrate failure



End cover with erosion holes through base metal



End cover reconditioned by using the 3 coat process, base, reinforcement, and top coat



Coating of freighter's rudder tips to reduce drag and eliminate cavitation & corrosion



Kort and propeller coated to increase performance and eliminate cavitation & corrosion



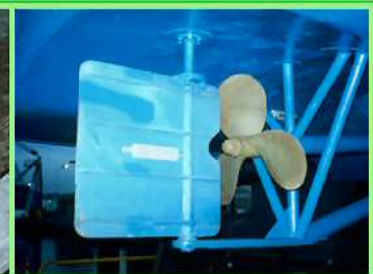
Severe cavitation in pump housing that would normally be deemed scrap



Pump housing reconditioned and machined back to OEM standards



Severe rudder erosion caused by electrolysis and cavitation



Not only was the rudder rebuilt using bolt on anodes but the entire under structure and hull of the vessel was coated



Intake passage showing corrosion adversely affecting water flow



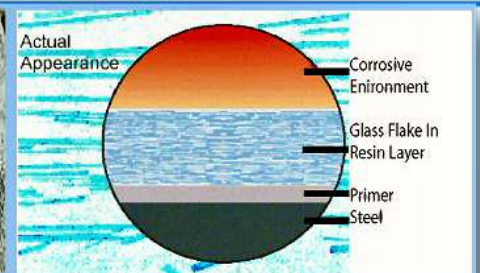
Intake coated which dramatically increases water flow and improves efficiencies



Aluminum, steel, concrete and wood decks can be coated as Duraflake has a 10-12% elongation property



Deck coating illustrating the non slip additives to assure good grip



Cross sectional illustration of a 3 coat process showing the suspension of the glass flake inter lace locking out vapor penetration

Contact Information

It is our intention to conduct business with prompt reliable service, integrity and competitive prices. We would be pleased to provide our services and would welcome the opportunity to quote on your projects as required.

Toll Free 1 888 244 1222



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