



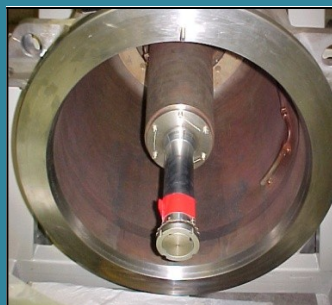
**CANADIAN
METAL-AD
CORPORATION**

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A simple and mobile set-up means that the repairs can be done anywhere.



Grayloc Seal area damage on FM housings is historically up to depth of .007"



Repair tested positive and exceeded the original surface finish and sealing pressure specs.

SERVICE BULLETIN

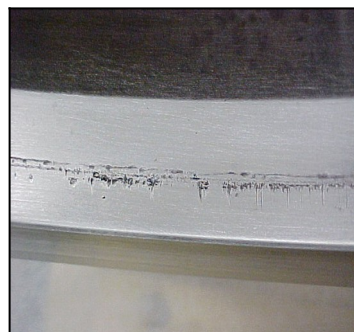
GRAYLOC SEAL FACE

Industry approved Grayloc seal surface repairs that solve leak issues and provided pro active PM conformance

After several years with minor leaking problems on a fueling machine at the Ontario Power Generator in Pickering, Ontario, the problem became much worse. With unacceptable leakage levels, the decision was made to overhaul the unit. Engineers concluded that the pits in the sealing surface were too deep to just simply rebuild the unit using a new seal ring. CMC was asked to provide a repair procedure to fill the pittings while still maintaining the original size and tolerance.

The procedure was accepted and our Brush Plating process was used. The work was done on-site and with minimal set-up or tooling. The repair was so successful that it has become part of the overhaul task package. Since then, more than two dozen Grayloc Seal areas have been repaired at OPG using our procedure.

Researching and developing methods for successfully and consistently achieving our excellent adhesive bond have been a primary focus of *Canadian Metal-Ad Corporation*. Not only does the process require top materials and sound equipment, it must have the full attention of a skilled operator with many years of experience. CMC has a high level of in-house training and is practiced only by our best technicians, earning CMC its reputation for quality workmanship. Our Brush Plating process can be applied to virtually any metallic substrate capable of conducting a current. As a rule of thumb, our technicians treat each type of metal as an individual basis, thus, achieving the same superior level of bonding.



Deep pitting on the Grayloc Seal area causing unacceptable leak rates.



Damages are filled with nickel and finished to the original size and tolerance.

CMC has successfully repaired numerous Grayloc seal surfaces on Fueling Machines and RAM housing within the Candu Fuel Handling program. Corrosion, galling, or fretting damages on all sizes of Grayloc Seal areas.

• FM housing are done without the need of an expensive and difficult machining setup, while still maintaining the original sizes and tolerances.