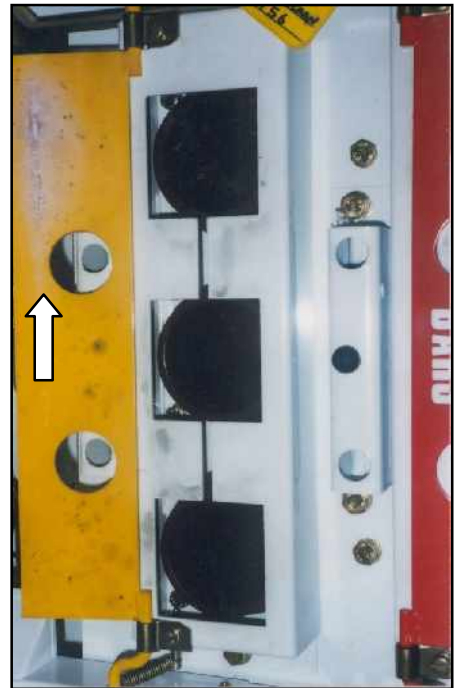


Case Study 2

Ultrasonic discharge between Cable Shutters & Switch Tank

A Partial Discharge survey in 1998 detected an Ultrasonic signal of 30% at Gain 11 from above the Switchtank of a vacuum breaker. An investigation was undertaken and it was discovered that the shutter mechanism was not operating correctly, and consequently the shutter was in contact with the resin casing of the tank.

Discharge activity has caused the migration of yellow paint from the Cable shutter to the mesh on back side of Switch Tank.



The Busbar Shutter was also in contact with the top of the resin surface as can be seen by the line running across it.

