The Picture Gallery

This is the classic result of galvanic corrosion.
Bronze propeller attacked
Hull pitted & corroded
Rudder severely pitted & rudder post rusting and restricting free movement

*This **severe** anode loss happened in less than six months to a narrow boat connected to "leaky" shore power outlet. The mains voltage leak corroded not only the anode but caused deep pitting of the whole submerged hull. This rapid corrosion is known as "Stray current corrosion" and can be devastating to under water fittings.*

*Anode loss & hull damage accelerated by shore power connection. The vessel next to this narrow boat failed to fit anode protection but **neither** boat was isolated: This allowed the adjacent vessel to use the anodes on this boat & resulted not only in the severe corrosion illustrated but two very unhappy sailors! This type of corrosion is easily prevented by fitting a galvanic Isolator. This also prevents your neighbour "borrowing" your anodes.*

*The **four** pictures above were taken from a princess GRP cruiser which was surveyed 2005 & was in perfect condition. Eight weeks later after connection to a defective shore power outlet this was the result! The brass inlet grill was eaten away, skin fittings almost dissolved, stainless steel shaft pitted & just look at the props! The repair bill was £6000! An isolator with status monitor would have prevented this!*

Galvanic & stray current corrosion is not limited to metal boats. It will attack any under water fittings : Propellers, shafts, skin fittings, engine anodes , impellers etc. Aluminium outdrives are especially vulnerable & can corrode at an alarming rate. Many surveyors & boat inspectors recommend the use of galvanic isolation : Please contact your surveyor if in doubt.

Safeshore Marine *galvanic isolators* are specially designed for the harsh marine environment. They offer high level protection to both **galvanic** and **stray** currents & are epoxy sealed for total reliability.

Safeshore isolators carry a **lifetime** warranty and are suitable for use with 110 or 240 volts RCD controlled shore power systems.