

## REWORKING FOR MARINE VESSELS

CLIENT  
**UK VESSEL OWNER**

EQUIPMENT  
**LOW VOLTAGE [400/230V]  
ALTERNATOR**

APPLICATION  
**MARINE - POWER GENERATION**

### PHOTOS



### REPORT

It was reported that the alternator was not producing full voltage and that the winding insulation levels were low.

A site (onboard) inspection by our engineer identified that the alternator had suffered an insulation failure of the main stator, caused by a coolant hose failure on engine, spraying coolant on to the windings.

On this occasion, the customer decided to replace the complete unit which was located in the hull of their vessel.

Our engineers completed the removal of the failed unit and the refitting of the new machine – this involved modifying the mounting arrangements due to difference in the form and fit of the new unit. After re-commissioning, the vessel's power was fully restored.