

TECHCROSS ANU (Auto Neutralization Unit) performs a role in safely neutralizing the treated ballast water, which has undergone biological extinction through electrolysis, before discharging it back to the outside sea from the vessel.

To neutralize the generated TRO (Total Residual Oxidant), ANU efficiently supplies the neutralizing agent (Sodium thiosulfate pentahydrate) during deballasting, and it should operate as an essential component for marine environmental protection.

To facilitate the safe and convenient operation and maintenance of ANU, we are issuing this technical bulletin to share information, and we kindly request the attention and reading of all our customers and users.

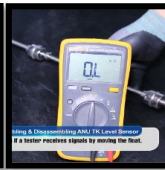
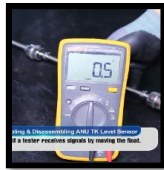
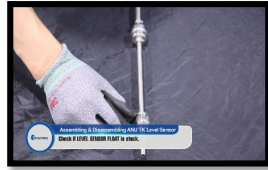


1. ANU – TANK LEVEL SENSOR

1. Open level sensor top cover and remove cables.



2. Check if level sensor float is stuck.



3. Confirm if a DMM receives signal by moving the float. (Low, Normal, High)

2. ANU – SOLENOID VALVE

1. Detach power connector from the Solenoid valve.



2. Check the condition of the plunger and reassemble in the reverse order.

3. Disassemble the actuator.

3. ANU – FILLING NEUTRALIZING AGENT

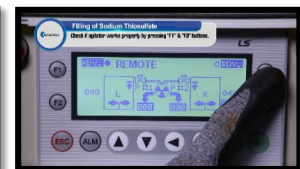
1. Check alarm and ANU XGT.



2. Check filling of F.W in the tank and add the sodium. (5T : 50kg, 10T : 100kg / each tank)



3. Reset the alarm by ESC at the ANU XGT. Start the agitator by F1 and F3. (F1 : #1 Tank / F2 : #2 Tank)



* If you need more maintenance information, please subscribe to Techcross's YouTube channel.

※ SPECIAL NOTICE

In recent maintenance-related issues at ANU, there has been an increase in case reports of internal corrosion at ANU and cases where proper neutralization is not occurring, due to the use of substandard neutralizing agent.



Unfortunately, when equipment damage occurs due to the use of substandard neutralizing agent, and it causes problems in ship operations, it may be challenging to proceed with Techcross's official warranty service.

Techcross conducts thorough MSDS verification and secondary quality verification after receipt for all neutralizing agents supplied to our customers. We strongly recommend using certified Techcross neutralizing agent that are officially distributed.

* To purchase Techcross neutralizing agent, please refer to 'Purchase guidance for ECS chemicals (Techcross)'

* Click to link : How to check the genuin product certification

