

AMERZINE AMPOULE TEST KIT



DESCRIPTION

The AMERZINE Corrosion Inhibitor Ampoule Test Kit provides a safe, simple and accurate method for determining the hydrazine level in boiler water. Each self-filling ampoule has a tapered, prescored tip containing pre-measured, vacuumsealed liquid reagent. When the ampoule is immersed in a boiler water sample and the tip is snapped off, the correct volume of sample is automatically drawn in, and a small inert gas bubble forms. The sample and reagent are mixed by tilting the ampoule so the bubble travels from end to end. The resulting color is quantified by placing the filled test ampoule in the center of the cylindrical comparator and comparing with the eight color standards around it.

APPLICATION AND USE

Dissolved oxygen in steam generating systems causes corrosion and pitting of metal surfaces which can lead to boiler inefficiency, equipment failure and system downtime. Therefore, it is essential to keep the dissolved oxygen level as low as possible by dosing AMERZINE corrosion inhibitor to the feedwater to react with excess oxygen. The AMERZINE Corrosion Inhibitor Ampoule Test Kit is used for testing hydrazine residual in steam generating systems. The hydrazine level in boiler water should be tested once a day.

Before testing, samples must be cooled to 25° C (77° F) by collecting through a sample cooler for safety and to prevent flashing which concentrates the sample.

See reverse side for test procedure.



PCN 0369018

TEST KIT CONTENTS AND ORDER INFORMATION

AMERZINE Corrosion Inhibitor Ampoule Test Kit (PCN 0369018) contains:

- 1 cylindrical comparator
- 1 snap cup
- 1 set of instructions
- 30 ampoules

AMERZINE corrosion inhibitor ampoule refill (PCN 0369026) contains:

- 30 ampoules

FEATURES

- Operator contact with reagents is minimized
- Snap-and-read technology
- Vacuum-sealed reagent

BENEFITS

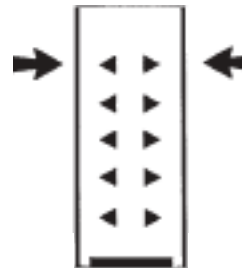
- Safe to use
- Simple to use
- Minimum two-year shelf life



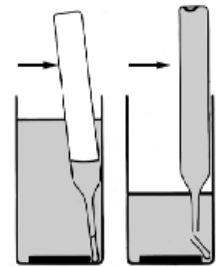
Contact your Drew Marine representative for more information

PROCEDURE

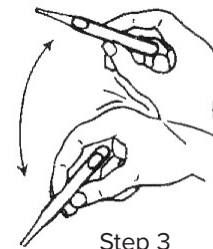
1. Fill the sample cup to the 25-ml mark with sample (Step 1).
2. Place the tapered tip of an ampoule from the AMERZINE® corrosion inhibitor ampoule test kit into one of the four depressions in the bottom of the sample cup. Snap the tip by squeezing the ampoule toward the side of the cup. The sample will fill the ampoule and begin to mix with the reagent (Step 2).
3. Remove the ampoule from the cup. Mix the contents of the ampoule by inverting it several times, allowing the bubble to travel from end to end each time (Step 3).
4. Wipe all liquid from the exterior of the ampoule and **WAIT 10 MINUTES** for full color development (Step 4).
5. Wipe Place the ampoule, flat end downward, into the center tube of the comparator. Direct the comparator toward a source of bright white light while viewing from the bottom. Hold the comparator in a nearly horizontal position and rotate it until the color standard below the ampoule shows the closest match (Step 5).
6. Record results and adjust AMERZINE corrosion inhibitor dosage as necessary.



Step 1



Step 2



Step 3



Step 4



Step 5



Contact your Drew Marine representative for more information

Drew Marine maintains Safety Data Sheets on all of its products. These documents contain health and safety information for the development of appropriate product handling procedures to protect your employees. Safety Data Sheets should be read and understood by all of your supervisory personnel and employees before using Drew Marine products.



Drew Marine®

**100 South Jefferson Road
Whippany, NJ 07981 USA
1-973-526-5700
Drew-Marine.com**

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