

Inspected Equipment: Main galley sink garbage disposal M/V
 "Kinta" (File Number 12-000152)

Operator: Capt. John Banister, SA

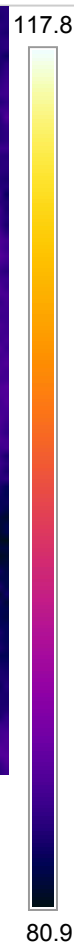
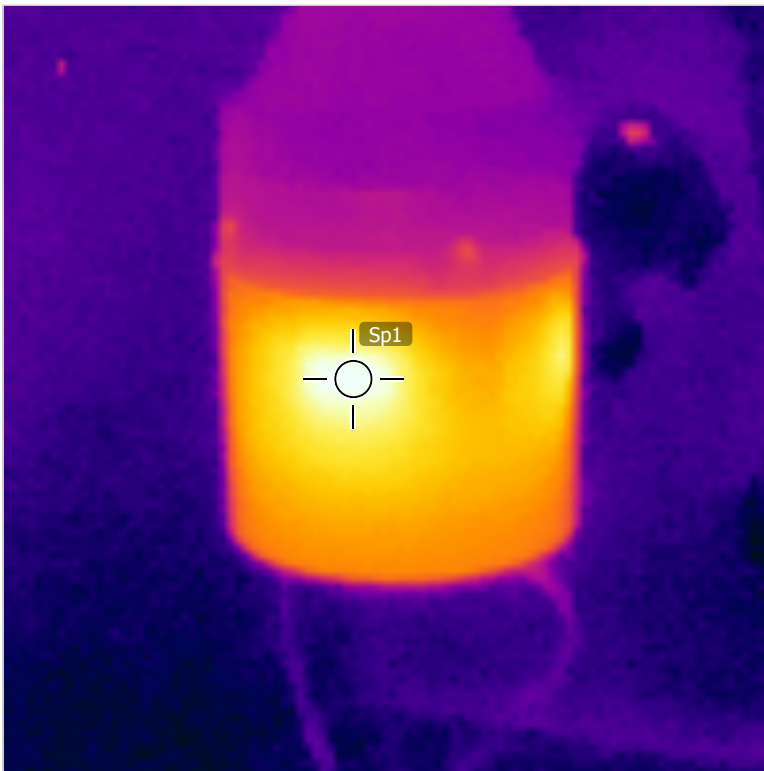
8/3/2012 5:28:24 PM



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Section: Main galley
 Equipment: Galley sink garbage disposal
 Additional Information: Sink garbage disposal under the galley sink
 Date: 03 August 2012
 Time: 5:28 PM

Working Conditions: The weather on the day of inspection was warm, sunny, and dry outside. There were no other sources of heat under the galley sink. The sink garbage disposal was a 120 volt "In Sink Erator" brand "Badger 5" series unit. The unit had power but was not powered on (running) at the time of inspection.



Fault: Overheating motor

Measurements		°F
Sp1	117.8	

Parameters	
Emissivity	0.95
Refl. temp.	81.5 °F

Object distance: 3.5 feet

Recommendations: Have a qualified marine technician repair or replace this unit.

The unit tripped the 120 volt AC "Galley" branch breaker when tested. The breaker was reset and stayed on when the unit was unplugged from the 120 volt power outlet. When the unit was plugged back in the 120 volt power outlet the "Galley" branch breaker tripped to the off position again. The unit was off at the control switch (sighted near the galley sink on the bulkhead) but plugged in. The motor was very warm to the touch on the outside plastic case. Thermal imaging revealed an over heating motor even when the unit was not running. Possible electrical malfunction in the unit or internal motor. No reverse polarity was found in the power outlet when tested.