

Service News

SSN-005

Suggestion of Maintenance for Safety and Relief For the safe use of Sekigahara Product

Accident
Record

Malfunction of Launching



1) Applied model: Electric Driven Rescue Boat Davit:

SJS-36-021 SJS-36-025 SJS-36-023
SJS-40-021 SJS-40-025 SJS-40-026
SJS-37-028

2) Date of manufacture: From 2008 to 2015

3) Outline of accident

At the annual inspection, the davit slewed only 200mm. A battery checker indicated that the batteries were in bad condition. The power source switch was 'ON' and batteries had been charged during the inspection.



5) Countermeasure

* A deteriorated battery which had gone down to unrecoverable condition would not regain the original function even if it is recharged. In this case, battery basically needs to be renewed.

* In case the deterioration is not too bad, addition of purified water or recharging of battery may help the battery to recover to a certain level. However, there is a possibility that it may not recover if the ambient temperature is low.

4) Cause

As a result of investigation, battery liquid was almost empty. This caused the remarkable deterioration of batteries and they were in the condition of not being able to recover to original function.




This lead storage battery is a model with necessary to add purified water. The characteristics of this battery is that the battery liquid will be decreased in proportion to the charged amount and self-discharging of electricity occurs even when it is not used. Amount of self-discharging is affected by the ambient temperature -- the temperature is higher, the amount of self-discharging is increasing and the amount for full charging is also increasing. Therefore, consumption of the liquid is increasing. If the amount of liquid is less than rated amount or battery is fully discharged, the battery remarkably deteriorates and full charging would not be possible.

6) Prevention of accident

 **<Charging>**

- * The power source switch on the vessel side must be always 'ON'.
- * In case of model SJS-37-028, battery is always charged automatically. Charging by pressing button is not necessary.
- * In case of other model, press charging button in the STARTER BOX once a month. Charging starts automatically by checking the slewing movement.

 **<Refilling of battery liquid>**

- * Check the amount of battery liquid and refill it once a month. The liquid need to be above the LOWER LEVEL line.
- * Renewing of battery is approx. every 3 years.

<NOTE>

If a lead storage battery is not charged for a long time, "sulfation (white lead sulfation)" will occur and full charging of the battery will not be possible. Self-discharging and the sulfation always occur at the same time and this means that battery charging is necessary every few months even if the davit is not operated.



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