

Safety Measures for Davit and Lifeboat Inspections

Table of Contents

Page 1: for all inspections

«Measures by Davit and Lifeboat Model»

Page 2~3: Gravity Davit

Page 4~5: Gravity Lifeboat




Page 6: Freefall Lifeboat

Page 7: Rescue boat

Developed in March 2016



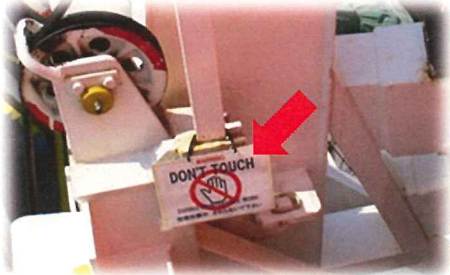
Safety Measures for Davit and Lifeboat Inspections

《For all inspections》

Items	Safety Measures	Key Points	Remarks	Check
1	<p>A pre-award meeting before services</p> 	<ol style="list-style-type: none"> 1) Check the service contents among shipyard's PIC, crew and service engineers. 2) Confirm work procedures and safety measures when service engineers of davits and lifeboats are from different companies. 3) Check the license certificate (One or more licensed engineer is necessary). 4) Let each other know when starting or finishing the inspection. 	<ul style="list-style-type: none"> • Confirm with the crew about last inspection and maintenance contents if there were any troubles of davits and lifeboats to make a reasonable inspection plan. • Ensure lifeboat and davit inspection on the same side not to be conducted at the same time. 	<input type="checkbox"/>
2	<p>Preparation of safety tools and the wearing condition check</p> 	<ol style="list-style-type: none"> 1) Ensure to prepare and wear helmet, safety belt(life rope), protective shoes, leggings, gloves, protective glasses, etc. 2) Prepare the tools and confirm their condition. 		<input type="checkbox"/>
3	<p>Safety work conditions check around the vessel, deck near davits, and the lifeboats</p> 	<ol style="list-style-type: none"> 1) Remove unnecessary objects around the work area. 2) Turn off the electric power source. (Measures to prevent the electric shock or machine blunder.) Put up caution cards such as "DON' T TOUCH" or "KEEP IT OFF DURING INSPECTION" on/near the starter panel. 		<input type="checkbox"/>


Safety Measures for Davit and Lifeboat Inspections

《Gravity Davits》

4	<p>Off limit indication for keeping out from the lifeboat</p> 	<ol style="list-style-type: none"> 1) Divide the work area by such items as hazard rope, or caution tape to prevent improvident entrance into the lifeboats. 2) Take measures to prevent falling off the deck or davit stage. 		<input type="checkbox"/>
5	<p>Secondary securement of the davit arm</p> 	<ol style="list-style-type: none"> 1) Secure the davit arm using such items as fibre ropes, wire ropes or belts (load binders) so that the davit arm would not swing out even if the davit arm stopper is released accidentally. 	<ul style="list-style-type: none"> • Ensure the secondary securement when disassembling the davit winch. • Keep the securement until the boat fall completely gets full tension when finishing the boat winch inspection. 	<input type="checkbox"/>
6	<p>Check of the davit arm stopper</p> 	<ol style="list-style-type: none"> 1) Check if the davit arm stopper is set up normally. 2) Check if the clearance of locking device is prescribed in relevant regulations. 3) Check if it is corroded or bending. 4) Attach the caution card like "DON' T TOUCH" on the davit arm stopper. 	<ul style="list-style-type: none"> • Mend and repair the davit arm stopper when inspection work cannot be conducted in a safe way due to the corrosion. If the repair work cannot be done immediately, make a decision if the inspection should be continued or not. • Give attention to the shipyard staffs, crew and other service engineers not to touch the stopper. 	<input type="checkbox"/>



Safety Measures for Davit and Lifeboat Inspections

《Gravity Davits》

7	<p>Check of the sling block</p> 	<p>1) Check the hardware on upper part of sling block. 2) Secure with chain block between boat and davit, or between sling block and davit before inspection.</p>	<p>• It is only intended for EH-7, EH-8 and EHR-3, which are one-arm davits.</p>	<input type="checkbox"/>
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Safety Measures for Davit and Lifeboat Inspections

《Gravity Lifeboat》

8	<p>Lifeboat inspection is to be essentially conducted on the ground after removing boats from davits.</p>	<p>1) Prepare a stable boat stand.</p>	<ul style="list-style-type: none"> • No. 9 to 12 are unnecessary if inspection is conducted on the ground. • When conducting inspections while boats are stored on davits, No. 9 to 12 need to be followed. 	<input type="checkbox"/>
9	<p>Off limit indication for not coming close to davits</p> 	<p>1) Divide the work area using such items as hazard rope and caution tape to prevent improvident entrance to the work area. 2) Take measures to prevent falling off the decks or stages.</p>		<input type="checkbox"/>
10	<p>Secondary securement of the davit arm</p> 	<p>1) Secure the davit arm with such items as fibre ropes, wire ropes or belts (load binders) so that the davit arm would not swing out even if the davit arm stopper is released accidentally.</p>	<ul style="list-style-type: none"> • Ensure the secondary securement when conducting boat inspection at stored position. 	<input type="checkbox"/>


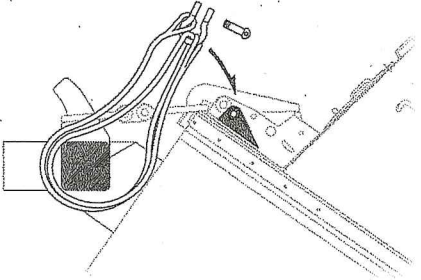
Safety Measures for Davit and Lifeboat Inspections

《Gravity Lifeboat》

<p>11</p>	<p>Fall prevention measures for lifeboats (stored position)</p> 	<ol style="list-style-type: none"> 1) Do not conduct inspection for davit and lifeboat at the same time. 2) No one but service engineers is to enter lifeboats. 3) Release hook maintenance device before starting inspection work and connect the eye on the top of davit and the eye on the lifeboat side. 	<ul style="list-style-type: none"> • If the maintenance eye is not installed on the top of davits, conduct inspection after lowering the lifeboat on the sea surface or on the ground. • If lifeboats cannot be lowered on the sea surface or on the ground, conduct inspection after connecting the top of davit and lifeboat by using chain block of appropriate working load. • There is no other way than lowering lifeboats on the sea surface if there is no eye on lifeboat side. 	<p><input type="checkbox"/></p>
<p>12</p>	<p>Fall prevention measures for lifeboats (stored/swung out/ lowered position)</p> 	<ol style="list-style-type: none"> 1) Connect the suspension link on the davit side and the release hook eye using the FPD (fall prevention device) before swinging out the davit and lowering the lifeboat. 2) After inspection, carry out the lowering test and swinging-out test without anyone in the lifeboat. 	<ul style="list-style-type: none"> • If there is no legitimate FPD, use eye spliced wire ropes and shackles of appropriate breaking load for connection. 	<p><input type="checkbox"/></p>



Safety Measures for Davit and Lifeboat Inspections

《Freefall Lifeboat》

13	<p>Secondary securement of free fall lifeboats</p>  	<p>1)When conducting release hook open test, connect lifeboat eye and davit in addition to the boat fall wires for securement. (2 locations)</p> <p>2)Do not conduct 5 year load test inside dry docks.</p>		<input type="checkbox"/>
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《Rescue Boat》

<p>14</p>	<p>Measures to prevent falling</p> 	<p>1) Attach the safety belt from the davit.</p>	<ul style="list-style-type: none"> Do not attach the safety belt from the rescue boats. 	<input type="checkbox"/>
<p>15</p>	<p>Retention of rescue boats</p> 	<p>1) Hang the rescue boat with the davit when inspecting inside rescue boats</p> <p>2) Due to the reason that some rescue boat stands do not retain boats, check preliminarily and secure the boats so that they would not fall.</p>	<ul style="list-style-type: none"> To prevent falling, supporting posts or stoppers can be used underneath boat stands. 	<input type="checkbox"/>